

121

122

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| SEQ ID NO | Clone name | "Novel" Region 1 |              | "Novel" Region 2 |              | GenBank Identifier for top 5 matching EST sequences |              |
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We claim:

1. An isolated nucleic acid comprising a nucleotide sequence which hybridizes under stringent conditions to a sequence of SEQ ID Nos. 1-127 or a sequence complementary thereto.  
5
2. An isolated nucleic acid comprising a nucleotide sequence at least 80% identical to a sequence corresponding to at least about 15 consecutive nucleotides of one of SEQ ID Nos. 1-127 or a sequence complementary thereto.  
10
3. An isolated nucleic acid comprising a nucleotide sequence of SEQ ID Nos. 1-127 or a sequence complementary thereto.
4. A nucleic acid according to claim 1, further comprising a transcriptional regulatory sequence operably linked to said nucleotide sequence so as to render said nucleotide sequence suitable for use as an expression vector.  
15
5. An expression vector, capable of replicating in at least one of a prokaryotic cell and eukaryotic cell, comprising the nucleic acid of claim 4.  
20
6. A host cell transfected with the expression vector of claim 5.
7. A transgenic animal having a transgene of the nucleic acid of claim 1 incorporated in cells thereof, which transgene modifies the level of expression of the nucleic acid, the stability of an mRNA transcript of the nucleic acid, or the activity of the encoded product of the nucleic acid.  
25
8. A substantially pure nucleic acid which hybridizes under stringent conditions to a nucleic acid probe corresponding to at least 12 consecutive nucleotides of one of SEQ ID Nos. 1-127 or a sequence complementary thereto.  
30

9. A polypeptide including an amino acid sequence encoded by a nucleic acid of claim 1 or a fragment comprising at least 25 amino acids thereof.
10. A probe/primer comprising a substantially purified oligonucleotide, said oligonucleotide containing a region of nucleotide sequence which hybridizes under stringent conditions to at least 12 consecutive nucleotides of sense or antisense sequence selected from SEQ ID Nos. 1-127.
11. An array including at least 10 different probes of claim 10 attached to a solid support.
12. The probe/primer of claim 10, further comprising a label group attached thereto and able to be detected.
13. The probe/primer of claim 12, wherein said label group being selected from radioisotopes, fluorescent compounds, enzymes, and enzyme co-factors.
14. An antibody immunoreactive with a polypeptide of claim 9.
15. An antisense oligonucleotide analog which hybridizes under stringent conditions to at least 12 consecutive nucleotides of one of SEQ ID Nos. 1-850 or a sequence complementary thereto, and which is resistant to cleavage by a nuclease.
16. A test kit for determining the phenotype of transformed cells, comprising the probe/primer of claim 12, for measuring a level of a nucleic acid which hybridizes under stringent conditions to a nucleic acid of SEQ ID Nos. 1-850 in a sample of cells isolated from a patient.
17. A test kit for determining the phenotype of transformed cells, comprising an antibody specific for a protein encoded by a nucleic acid which hybridizes under stringent conditions to any one of SEQ Nos. 1-850.

18. A method of determining the phenotype of a cell, comprising detecting the differential expression, relative to a normal cell, of at least one nucleic acid which hybridizes under stringent conditions to one of SEQ ID Nos. 1-850, wherein the nucleic acid is differentially expressed by at least a factor of two.
19. A method for determining the phenotype of cells in a sample of cells from a patient, comprising:
- i. providing a nucleic acid probe comprising a nucleotide sequence having at least 12 consecutive nucleotides of any of SEQ ID Nos. 1-850;
  - ii. obtaining a sample of cells from a patient;
  - iii. providing a second sample of cells substantially all of which are non-cancerous;
  - iv. contacting the nucleic acid probe under stringent conditions with mRNA of each of said first and second cell samples; and
  - v. comparing (a) the amount of hybridization of the probe with mRNA of the first cell sample, with (b) the amount of hybridization of the probe with mRNA of the second cell sample, wherein a difference of at least a factor of two in the amount of hybridization with the mRNA of the first cell sample as compared to the amount of hybridization with the mRNA of the second cell sample is indicative of the phenotype of cells in the first cell sample.
20. A method of determining the phenotype of a cell, comprising detecting the differential expression, relative to a normal cell, of at least one protein encoded by a nucleic acid which hybridizes under stringent conditions to one of SEQ ID Nos. 1-850, wherein the protein is differentially expressed by at least a factor of two.
21. The method of claim 20, wherein the level of said protein is detected in an immunoassay.

22. A method for determining the presence or absence of a nucleic acid which hybridizes under stringent conditions to one of SEQ ID Nos. 1-127 in a cell, comprising contacting the cell with a probe of claim 10.
- 5
23. A method for determining the presence or absence of a polypeptide encoded by a nucleic acid which hybridizes under stringent conditions to one of SEQ ID Nos. 1-127 in a cell, comprising contacting the cell with an antibody of claim 14.
- 10
24. A method for detecting a mutation in a test nucleic acid which hybridizes under stringent conditions to a nucleic acid of SEQ ID Nos. 1-383 or a sequence complementary thereto, comprising
- 15
- i. collecting a sample of cells from a patient,
  - ii. isolating nucleic acid from the cells of the sample,
  - iii. contacting the nucleic acid sample with one or more primers which specifically hybridize to a nucleic acid sequence of SEQ ID Nos. 1-383 under conditions such that hybridization and amplification of the nucleic acid occurs, and
- 20
- iv. comparing the presence, absence, or size of an amplification product to the amplification product of a normal cell.
25. A method for identifying an agent which alters the level of expression in a cell of a nucleic acid which hybridizes under stringent conditions to one of SEQ ID
- 25
- Nos. 1-850 or a sequence complementary thereto, comprising
- i. providing a cell;
  - ii. treating the cell with a test agent;
  - iii. determining the level of expression in the cell of a nucleic acid which hybridizes under stringent conditions to one of SEQ ID Nos. 1-
- 30
- 850 or a sequence complementary thereto; and
  - iv. comparing the level of expression of the nucleic acid in the treated cell with the level of expression of the nucleic acid in an

untreated cell, wherein a change in the level of expression of the nucleic acid in the treated cell relative to the level of expression of the nucleic acid in the untreated cell is indicative of an agent which alters the level of expression of the nucleic acid in a cell.

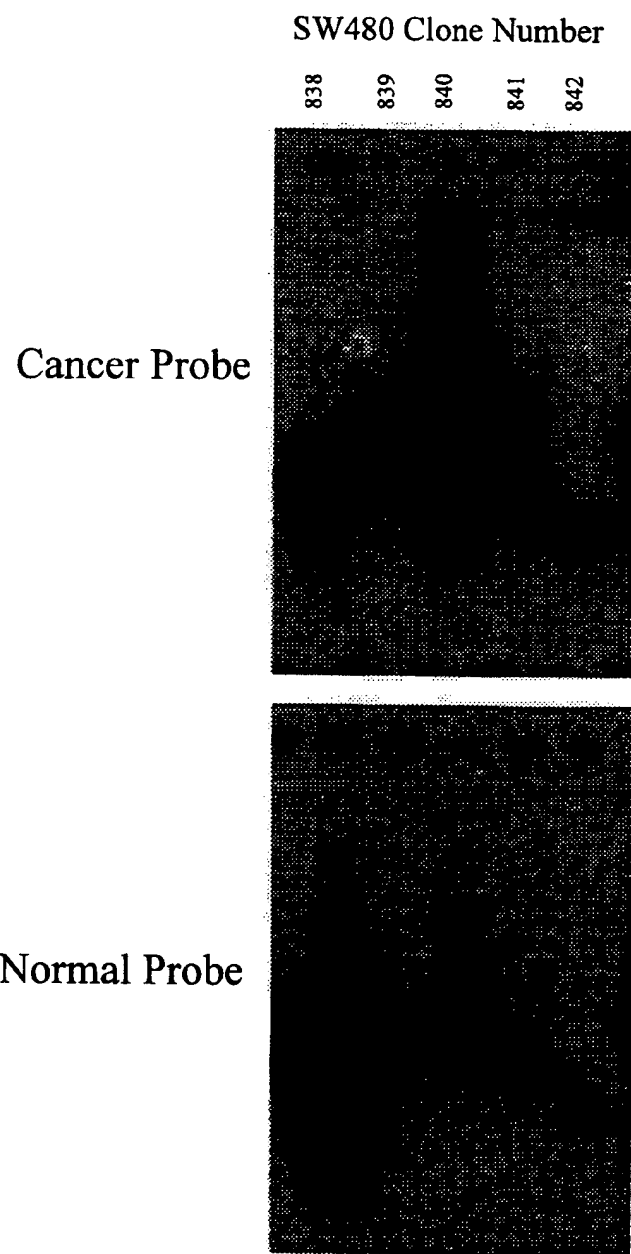
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26. A pharmaceutical composition comprising an agent identified by the method of claim 25.
27. A pharmaceutical composition comprising a nucleic acid which includes a nucleotide sequence which hybridizes under stringent conditions to one of SEQ ID Nos. 1-850 or a sequence complementary thereto.
28. A pharmaceutical composition comprising a polypeptide encoded by a nucleic acid which includes a nucleotide sequence that hybridizes under stringent conditions to one of SEQ ID Nos. 1-850 or a sequence complementary thereto.
29. An isolated nucleic acid comprising a portion of a nucleotide sequence of SEQ ID Nos. 128-383 or a sequence complementary thereto.
30. A gene which hybridizes to one of SEQ ID Nos. 1-383.
31. A method for detecting cancer in which one or more of SEQ ID Nos. 1-850 are used as probes, said method comprising:
- i. collecting a sample of cells from a patient,
  - ii. isolating nucleic acid from the cells of the sample,
  - iii. contacting the nucleic acid sample with one or more primers which specifically hybridize to a nucleic acid sequence of SEQ ID Nos. 1-850 under conditions such that hybridization and amplification of the nucleic acid occurs, and
  - iv. comparing the presence, absence, or size of an amplification product to the amplification product of a normal cell.

32. A method of claim 31 in which said cancer is colon cancer.
33. A method for detecting cancer in a patient sample in which an antibody to a  
5 protein encoded by SEQ ID Nos. 1-850 is used to react with proteins in said  
sample.
34. A method of claim 33 in which said cancer is colon cancer.

10

# Differential Expression Analysis



## SEQUENCE LISTING

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<120> NOVEL HUMAN GENES AND GENE EXPRESSION  
PRODUCTS

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&lt;150&gt; US 60/088,801

&lt;151&gt; 1988-06-10

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&lt;170&gt; FastSEQ for Windows Version 3.0

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&lt;213&gt; Homo sapiens

&lt;400&gt; 6

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| acaaggaaat | gtcagtcagg | ggtgttgcac | attacatata | tgtggttacc | gaacttggtt | 60  |
| tacattattg | attaaattca | ttttctcttt | ctctttttta | gacctttgga | tatctcctcc | 120 |
| tccttccctt | tatctataaa | tatgtaagaa | agaaaacatg | tttaaaatac | aatattttat | 180 |
| ttcttttgat | cacagattag | acttaaagaa | cagagatgcc | ctataatgtg | atctttaaga | 240 |
| gatattacaa | agcttccaat | ctcactgtga | ggatcggtta | agtataataa | taaaaaaaaa | 300 |
| tgtatattat | aaaagaatgt | aagaatgtgc | atattttatt | ccttgcatat | taatggcata | 360 |
| agaaactggt | aacagggact | tggggtaagg | cttgtgggaa | ggaaggtagt | tttcaactga | 420 |
| ttccttttgt | attgttttaa | gtttttactt | gttttttaag | caagcatgta | tcactttata | 480 |
| tgatatttaa | aagttgctct | tctcaagaca | gaaaatcatt | ttgattcatt | tctaattcaa | 540 |
| ataagcacta | attgaggata | ttttaatata | tcctcacatt | gtgaaaggat | taaggcacaa | 600 |
| tttctagctt | caaaactgta | cc         |            |            |            | 622 |

&lt;210&gt; 7

&lt;211&gt; 621

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(621)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 7

|             |             |            |             |             |             |     |
|-------------|-------------|------------|-------------|-------------|-------------|-----|
| ggtacccttg  | tctttaaaag  | gattccccct | tataaggact  | cttcaagtaa  | atccacacat  | 60  |
| atatagtcaa  | ctaatttttg  | acaaagacac | caagaatata  | caatggggaa  | aggatagtgt  | 120 |
| cttcaataaa  | cagtattgga  | aatactggat | atccacatgc  | aaaagaatga  | aattggatga  | 180 |
| aatatggtga  | aattattttt  | caccgtaccg | gctccccaac  | gtgcacggca  | ggagctacgg  | 240 |
| cccagcgccg  | ggcgctggcc  | acgtgcagaa | atggagtttc  | atcatgttgt  | cctctcgaaac | 300 |
| tcctgacctc  | aagtgatcca  | cccgnctcgc | ccttccaaag  | tgctgagatt  | acaggaagag  | 360 |
| tctaacctgc  | tctgcaagct  | cttgagtccc | gccaaagatga | tattttaaag  | gtctgtatga  | 420 |
| agttgaaagc  | tgcagntgat  | ggcctnttca | agatgattca  | aaccncngat  | gcnnacttgg  | 480 |
| atgtaancca  | ccntaattca  | agccggtnan | ncncnncant  | taaccnnaag  | ggcctggatt  | 540 |
| tgaattcagg  | cnttggnnaag | gttnccgggc | ccttaaaaana | nattgggggtt | aacgcaaacc  | 600 |
| ggcttcctntt | ccttttcttg  | n          |             |             |             | 621 |

<210> 8  
 <211> 649  
 <212> DNA  
 <213> Homo sapiens

<400> 8  
 actgatctcc tgttggcctg cttcatttgt cctgcagttg tcaatccaga acaatatgga 60  
 ataatttccg atgctcctat taatgaagta gcacgattta atctgatgca ggtaggccgc 120  
 cttttgcagc agtttagcaat gactggctct gaagagggag atccccgaac aaagagcagc 180  
 cttggaaagt ttgacaaaag ctgtgttgcc gctttccttg atgttgtgat tgggggcccgt 240  
 gcagtggaga cccctccatt gtcttccgtc aatcttcttg aaggattgag cagaactgtg 300  
 gtttatataa cctacagtca ggcttattac tctgggtaat tttatgaaag agtgtgatgt 360  
 ctggagatca actgagagaa gatagaatgg ctcttgacaa tttattggca aacctacccc 420  
 cggccaagcc aggaaaaagt agcagtttag aaatgactcc ctacaataca cctcagctat 480  
 ctccagcaac cactccagca aataaaaaaga atcgattacc tatagcaact cggagcagaa 540  
 gccgcaccaa tatgctaag gacctacata tggaccatga aggatcatct caagaaacca 600  
 tccaggaggt gcaaccagaa gaggtgttgg tcatttcctt aggtacctc 649

<210> 9  
 <211> 645  
 <212> DNA  
 <213> Homo sapiens

<400> 9  
 acttagtgca acatattgaa cttaaattcc agttttcctg gaattacttg tgtcttgagc 60  
 taaaggctgt atttgatata acaggggaagg aaagaaatta tttttcctat aaaattagtt 120  
 tagtttataaa acacatatata ttaaacaaaa taaaaatatt attccatctt ttaaagaaca 180  
 tttactaatt cacagatatt acccgaagtt tagaaagtca cctaagaaca attgtttaaa 240  
 aattatttag ggaaaatgaa gcaaaaattgt tttcaatctg agattttaac agccagtgca 300  
 ctctgttcc tcagctgaaa gtcccccttca ttctgaatgt ctgcagtagt attgaattgg 360  
 ggagcagtta gggtccaggg acatattcac tctgttttg ttctcccatc aatctcagcc 420  
 ctttcggtga ctggttgggc aaagcctccc ttgtggtaga agatgcctca cttctgggga 480  
 gaagaggctc ctcatcttgc agacaagaag cagcacccac tgtttcttgc tccaaaagcc 540  
 attaacatta taaactggcc agttgcagtg gctcaaaact gtaatcccag caccttttgg 600  
 gaggttgagg cacaaggatt gcttgagccc aggagtttga gtacc 645

<210> 10  
 <211> 564  
 <212> DNA  
 <213> Homo sapiens

<400> 10  
 cgcgcccgag gtacctgggc ttaacagtaa tagagaacct catTTataacc atacagacac 60  
 agcaacttag gaagacagca ctgatagcat ttagctagtt gtaaccaaT ccaaatatgt 120  
 aaaattgaga attatgatta acatatgcaa ctttagtaat aggaatagat gataattttc 180  
 ctgtattgtt tcaaataagt gactgttcag ctgggatcca ttggattata atttacaatg 240  
 tcacataata ttatgttttt caatattgat gagtgatgta aacaatataa agttggcagT 300  
 ttgtagtagt tcagtatcct agaaatacat tgaacttcat aagtatcagT tcatttttaa 360  
 gcatacagaa ttgaactgat acttactgaa atcataaaT cagaggaaac aagccccTct 420  
 ttatcactaa ttacttagct tgaatacttt tctattttaa aataatccta attattgcct 480  
 tttcaattat agtctactgt atttatttat atgggatcaa caggTattta tcaaacatct 540  
 actgtgtgcc cagcactacc tagt 564

<210> 11  
 <211> 593  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(593)  
 <223> n = A,T,C or G

<400> 11  
 cgaggtgcct cgcctcgggc attttcttgc agcaagaagg gacgcgatgcc tctggcataa 60  
 atccaaccag agagtcaccc ctctcaagct gatttttttaa aaatctagat attatattaga 120  
 tcattttcagc aaattctttaa tgctttggcc ttccacagta agatgttgct taatcggctg 180  
 gatctccccc ctctttgccca aggagactca attttgcagt tgcccatatc tgcctagtta 240  
 aatcgttgct atactaaagg ttctgggagg gtggggacag aatttccccg gtgctaattgc 300  
 ggcactgaat cgcaggaggc tgccatgcat ttcttcagtc atctacaacc aagaattctc 360  
 agagcagtc ctccggcagcc ttttgaagct gtgctagagc agaaagctgc tattgntctc 420  
 atctctcaac aaggaaaagga tcaaactttg cctctttcaa tttgaaagat ttttttttat 480  
 ggtggtgggg ggaagggatt gcaatcttga tncatcaagt aactttgagg atttgagtg 540  
 gtctnccagt ttaaaactgca gatcaaatca cagaagccct aacgcctgca tnt 593

<210> 12  
 <211> 602  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(602)  
 <223> n = A,T,C or G

<400> 12  
 acacacaatt ccactctacc acccaacatc aatgagcatt tattgagcat ctactgaagc 60  
 tcacagcatt gtgcaggcag gatacatatc atacaaatgc tgtttcctcc tcccacaaa 120  
 tgaggagaa ttagatgaga tttttaaaaa ttctcctag ttctacaacc agtattgtat 180  
 actgatccaa tttggaagtt taagtttaaa attaatcaa ggattocagt tgaggaaatg 240  
 gtcccacttc cttggaaagt aaactagctc ggtcaccagg ctagggtacc cacgttgtaa 300  
 ttgcttgatga ttgactactc caccgtatta atgatgaagt gcccccgact tgagatgcag 360  
 gcgttagggc atctgtgatt tgatctgcag tttaaactgg gagaccactc caaatcctca 420  
 aagttaactt tgagtatcag attgcaatcc ttccccacc accataaaaa aaaatctttc 480  
 aaattgaaga ggcaaaaagtt ggatcctttc cttgttgaga gatgagacca ttgccgcttt 540  
 ttgntntagc caggtttcaa anggttgcca nggactgntn tganaatctn ggtgganaaa 600  
 an 602

<210> 13  
 <211> 487  
 <212> DNA  
 <213> Homo sapiens

<400> 13  
 gcgtggcgcg gccgaggtac tggaggccat ccagcccata ccctggcggg gggcaaacct 60  
 cagatgcctc cttcttgggt ttcatgtggc accaggatcc atcttccatg aattggatct 120

|             |            |             |             |            |            |     |
|-------------|------------|-------------|-------------|------------|------------|-----|
| catcacaatc  | tgaacaggaa | ctaagaatct  | ccataaataa  | accatcaatg | ataagagatt | 180 |
| cataggggagc | cttcttgtca | cacacaggac  | atgtccatgt  | aggcttcttc | tcattcatct | 240 |
| gtagataaag  | ggcagcatcg | aagctctgca  | ggtggggcgca | ggtgaggga  | cgacaaggga | 300 |
| cagttagggcg | catcttccct | agcggggcaca | tgagtgcacac | ccggagactt | gtagtggcca | 360 |
| cctcactgtc  | agggtcagca | gtcaattttct | ccttgatcag  | tgcccgcgag | tggtctgggt | 420 |
| tccggatacc  | ctttgctctg | agtttttgta  | gaagggttcc  | tgcagtcaac | tgccctacca | 480 |
| ggtacct     |            |             |             |            |            | 487 |

<210> 14  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| <400> 14   |            |             |            |            |            |     |
| acagaaattc | ttaactgctt | atgaaatgct  | gattgttaaa | cagcatccac | agctattttg | 60  |
| tggtgtttcc | ctgacccccc | cctgaagaaa  | agaaaaatta | tggcatattg | aaaacagcag | 120 |
| tatgatgtaa | gagaaaagat | cacaaattcc  | ttgaggggtg | gtcttttcca | tactcataag | 180 |
| cctatttata | atattcagag | taattttattg | acacatatta | atattccctc | ctatcccatt | 240 |
| aattgcaaaa | tcatacaaca | tttattgagc  | acctactctg | tgtaggggtg | aagcagtacc | 300 |

<210> 15  
 <211> 882  
 <212> DNA  
 <213> Homo sapiens

|            |            |             |            |            |             |     |
|------------|------------|-------------|------------|------------|-------------|-----|
| <400> 15   |            |             |            |            |             |     |
| acctcataac | aaatgcctgc | catgtgttcc  | agattcacct | tctttctttc | tgccccagcc  | 60  |
| ctggaatcag | ctgcttctcc | aagcactcag  | gactcctctt | aacagagaat | gataaatact  | 120 |
| tagaaacccc | tgaggcccg  | tgtgctcagt  | gttctaggct | gtcctccttc | taagcccttc  | 180 |
| tcgtggccag | aaccacacaa | agtatcatca  | cgacagcttt | atagtaagtg | ctgggtgtttg | 240 |
| cagggcaaat | ggcctctctc | ttcacaagt   | ttttaattaa | tcttggaact | gcactcttct  | 300 |
| cagtgaattc | tagtcacctt | gtcaggaaa   | agaagtggct | ggatgtcgat | gggaacgtca  | 360 |
| ttgaatgtta | agagcaactt | tgggagacct  | gacacctggc | atcttctctt | ctctgaacat  | 420 |
| agaggagaat | taagcaaata | ttccttaaat  | gtccttcaat | aaagtttata | tattttctgc  | 480 |
| atgcagatct | tatctgtctt | aaaattttacc | ccagatacct | ttttgctact | gtaagcatta  | 540 |
| tgttttaaat | tacattttgt | aaccaattaa  | attgttgggt | taacaaaatg | aattgatttt  | 600 |
| atattttgat | cttaaatgtg | ctcaactctc  | taatctgttc | tgagatccct | atttaggaaa  | 660 |
| ttacatcaca | tcacatgcca | gtaacagcag  | ttttatttct | gcctttttca | ccctctgccc  | 720 |
| tgctgaaaac | agtgttgtga | ggctgaggat  | gatgtgggtt | acacaaaact | tggtctgact  | 780 |
| gcagggggga | atggaaatct | acataaccac  | cttggaaaaa | tcgatatgta | tcaatatgca  | 840 |
| gacgtctgcy | ttatcctgca | gaactggaca  | tttgcacgta | cc         |             | 882 |

<210> 16  
 <211> 568  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(568)  
 <223> n = A,T,C or G

<400> 16

|            |             |             |             |             |             |     |
|------------|-------------|-------------|-------------|-------------|-------------|-----|
| ggtactcccc | gctttacagt  | taaaaccagt  | tttctgggaa  | catttgtcaa  | acacagggaa  | 60  |
| aggctgtcct | tttaagttag  | tgtttactgc  | atttcaccta  | agactaaatg  | gacaaatgaa  | 120 |
| ttataaatc  | atTTTTtagg  | aggcataata  | aactttggaa  | atattttttc  | ttaatttagag | 180 |
| ggaagaaatg | agcaaaaagag | aacccgaggg  | tctagctaga  | agcccggtgt  | tctctgccct  | 240 |
| aattgcatca | aacaatgcct  | taataatctg  | tgtcttcatg  | tgggagggcat | ctactctgtc  | 300 |
| ctctactttt | tcacttttat  | gcaaaactcag | gggaaactca  | ggggaaaaaa  | tgattctatg  | 360 |
| aaattataat | tagagccata  | tttctagatt  | tttaattttca | acattggcat  | ttattaattt  | 420 |
| cctgcagctg | ctgtaacaag  | ttaccacaaa  | ctggtaaaaa  | tggcttaaaa  | gaacngaaat  | 480 |
| ttatttttnt | acaggtcaag  | gccggaaatn  | ccaaatctaa  | gcatacanggg | ggtgggggtcc | 540 |
| ctttggangn | tcccanggna  | ntttttcc    |             |             |             | 568 |

<210> 17  
 <211> 584  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(584)  
 <223> n = A,T,C or G

|             |             |             |            |             |            |     |
|-------------|-------------|-------------|------------|-------------|------------|-----|
| acaactgaag  | accctagaaa  | taagggtttc  | aaccctgggt | gcccattaga  | atcatgaaag | 60  |
| agcccccgag  | atttgggttg  | aattgggtctg | cagagactcc | aggccccctc  | ttttgaagct | 120 |
| ccacagatga  | ttctttttctg | cctgagggga  | ggtgctgagt | tcccatcacc  | caccagcttc | 180 |
| atcctacaca  | ngtgcaatna  | gaggcctagt  | gagagtggca | ctgggggggtg | gccccccagc | 240 |
| gagtgccaaag | tagatcccac  | caggcccttn  | ctttaggcca | gaggttctag  | aaactttgat | 300 |
| gaatgtngca  | ataaccaggg  | ggtgctctga  | aaaggnccca | nggctgggct  | gcacctgnta | 360 |
| aaatnaagcc  | cagtctttct  | ggttggggacc | agaagattcc | naagggcagc  | ncgctcttta | 420 |
| aaaaccaagt  | gcctttctgn  | taaacnaatc  | cttaggnccn | ttatgtctgc  | agttnttaag | 480 |
| ntaanggggt  | ggtaagntan  | taacntccat  | taanttttag | tntacactta  | agcttttggg | 540 |
| ggtatcngnt  | tnnagtgnna  | ttangnagtc  | tttcacaggt | ngtt        |            | 584 |

<210> 18  
 <211> 560  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(560)  
 <223> n = A,T,C or G

|            |            |             |             |            |            |     |
|------------|------------|-------------|-------------|------------|------------|-----|
| ggtactcaaa | gcttggactc | catccctgaa  | ggtcttccctg | attgatagcc | tggccttaat | 60  |
| accctacaga | aagcctgtcc | attgggtggt  | tcttctcag   | tcagttcctg | gaagacctta | 120 |
| cccatgacc  | ccagcttcag | atgtggtctt  | tggaaacaga  | ggtcgaagga | aagtaaggag | 180 |
| ctgagagctc | acattcatag | gtgccgccag  | ccctcgtgca  | tcttcttgca | tcactctata | 240 |
| ggagctcctc | taattacacc | atgcccgctca | ccccatgagg  | gatcagagaa | gggatgagtc | 300 |
| ttctaaactc | tatattcgct | gtgagtcacg  | gttgtaaggg  | ggagcactgt | ggatgcaccc | 360 |
| tattgcactc | cagctgatga | caccaaagct  | taggtgtttg  | ctgaaagtcc | ttgatgntgn | 420 |
| gacttaccac | ccctgcctna | caactgcaga  | cataagggga  | ctatggattg | cttaacagga | 480 |
| aaggcactng | ntctcaangg | cggntgccc   | ttgggaaact  | tntggggcca | ccccaaagaa | 540 |

tgtggntttt agtttttcnn

560

&lt;210&gt; 19

&lt;211&gt; 425

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 19

|             |             |            |            |            |            |     |
|-------------|-------------|------------|------------|------------|------------|-----|
| ggtacaaaaga | gaaaagggtca | agacattttt | caaagtgggg | aaaactaaca | ggatttatca | 60  |
| ctagttaaacc | tgctctaaaa  | gaattcaagg | gaagcttttt | aaaaagaagg | gaagttatag | 120 |
| cagaaggaaa  | cttagaatgg  | caggaataaa | gaaggcataa | tgtatagggt | aaatataata | 180 |
| gacttctctt  | gaggttttta  | aaattacatt | tgttatttga | aagaaaaaaa | ttaacgttgt | 240 |
| tgtatgtgat  | tctctgtaga  | ggatatacag | ttttttttgt | tgttcttgtt | tctgtttttt | 300 |
| taagggtgaag | tctctgtcac  | ccaagctgga | gtgcagttct | gtgatcatgg | ctcactgcag | 360 |
| cttcaccctg  | ggttcagggt  | atcctcccac | ttcagcctct | tcagtaactg | ggactacagg | 420 |
| catgt       |             |            |            |            |            | 425 |

&lt;210&gt; 20

&lt;211&gt; 655

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 20

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| tgttacttcc | caagcactgt | agggcgtaag | gaaaatctgg  | tccttatcaa | atcccaggag | 60  |
| cttctgctta | gttggggaag | aaattacatg | aagcaaccag  | aggttataag | gccacacttg | 120 |
| tatatcggtg | accctgtgtg | gacaagatta | gggactgttg  | agagaggagg | aaaccagtag | 180 |
| agagcaaagc | tctacccagg | ctccttgtaa | gcctctgggc  | tcccccgaga | gggcctcgct | 240 |
| actctacgct | tccttagcaa | cgttgatgtc | cccacaaccc  | cacatcagtg | cagctgtggc | 300 |
| ttgtgtggag | gggctctgag | gcctctgagg | ccagatgtgt  | aaacagtgtc | gaggttcagt | 360 |
| aataggatga | agtcttcagg | tgtggagcag | cccaccttgg  | ctcttcccat | gtctctgtgt | 420 |
| tacttctcat | attctgtgtg | cctttcaaac | ttcaaggaca  | gtattaattt | atactagtat | 480 |
| ttcttctcta | gttttgtgac | ttgaatgcag | tgagtgcctt  | agaggatcca | aggatgaagg | 540 |
| aatgcggggt | gggtggtctc | tctttcagaa | tggggaacttc | ccaaaaatgg | ggctgcgtct | 600 |
| cgctctcag  | taggttcctt | acctctgggt | cttccacctt  | tcaaaatctg | gtacc      | 655 |

&lt;210&gt; 21

&lt;211&gt; 566

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 21

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| ggtacagccc | tttctttgaa | tggggatctg | gggatgcaga | ggagcataat  | gagcctttta | 60  |
| taattacaaa | catgctcttc | tctagctctt | aaggttatgc | ctaacgctca  | tttgctcttg | 120 |
| gctaaaaata | ctgagaaaaa | aagtgagtag | taaaaaaatg | ctggaaagtct | gaaaatgggt | 180 |
| tagacagaac | ttcattcctg | aagttttagt | ctgtagccag | attttaattc  | tggcctgttt | 240 |
| tggtttttag | atgatagatc | ttttagtgtg | tcaacaggaa | tgtaaagtgt  | gtattaacat | 300 |
| ctagggtgat | cacctgccat | gctattaagt | cagcatggta | taattaaaag  | ttacatatgt | 360 |
| aggttcagag | cctcttagca | cagtgttaca | ttgtaagctc | ttggagggca  | ggaatgagat | 420 |
| tctagtcctt | acggaaatgg | agtttgggct | tctatcccta | gcattcattc  | tagtgccatg | 480 |
| cacgtggtag | gaattctgta | aatatttgtg | aaagaaatga | atttctgcct  | gtagggttca | 540 |
| gcagtgtata | cttaaatgtg | atgtgt     |            |             |            | 566 |

&lt;210&gt; 22

<211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 22  
 ggtactaata gcaaggaata atcctaaaca ttttcccaat aaactgacta agcctcaaaa 60  
 ggacagctta ggaaaatgat taacatgcag tttttctttt ttcctagcca attcagttct 120  
 acttagataa atctgggtgc caatcaatac atatataaat taattttttt ctgctcaatt 180  
 actaccattt tttctttttc accttttccc caattttctc tagcaacact tttcctttgg 240  
 tttgatcagt tgaactcaaa aggtttgggt 269

<210> 23  
 <211> 815  
 <212> DNA  
 <213> Homo sapiens

<400> 23  
 gaggtaccct tcatccatca ggactgcacc tcctttccca tgagccttct ggggtcacat 60  
 tctcctaact gcagctactg ttgctgtttt acttatcgag ggctattac gtgccaggct 120  
 ctgctgtgaa cgcttcacgc ccaactggatc atttactcat aatagctcag taaggtagtt 180  
 accccaatta gccccatgtt agagaaaaac accaaggcac agagggtgagt cacttgtccc 240  
 aggtcacaca tctaggaagt agtagaacca ggactcagct cagggtccaa gtctcaacca 300  
 tgggccagtc tgctcatctt agtcaaaccc ccaggctgca ttctgtgggc cagctactgg 360  
 atcctgcaac cttctcagac tctatccatg aagccaagtg cacaggatct aggacatcag 420  
 gtccagaaaa attggggcca cattcttctg gacctgcaga tgggcaaggga ccagactcta 480  
 gcctgaacag tgagatgcag cccagagaag tgggaatcca cagacagagc ctggcctgag 540  
 actcctactg agactgcccc tgtggccact cggggagttc ccgtcccctg cctgatcagc 600  
 agtctttttg cttccccctc caagagagct ggggggcatt cctccaggaa gcctgatatg 660  
 taacaaactc ctttccattt tcttgctttg cttaaatctc caaagtcctt ggagctgaag 720  
 ccaagcgggc ctcataggt ccactttaca gaaaagcaaa ctgagttctc aagaggggaa 780  
 gtcactgagc cgggtacctg ccgcgggccc ctcga 815

<210> 24  
 <211> 555  
 <212> DNA  
 <213> Homo sapiens

<400> 24  
 ggtacctggg cttaacagta atagagaacc tcattttata catacagaca cagcaactta 60  
 ggaagacagc actgatagca tttagctagt tgtaaccaaa tacaaatatg taaaattgag 120  
 aattatgatt aacatatgca acttttagtaa taggaataga tgataatttt cctgtattgt 180  
 ttcaaataag tgactgttca gctgggatcc attggattat aatttacaat gtcacataat 240  
 attatgcttt tcaatattga tgagtgatgt aaacaatata aagttggcag tttgtagtag 300  
 ttcagtatcc tagaaatata ttgaacttca taagtatcag ttcattttta agcatacaga 360  
 attgaactga tacttactga aatcataaac tcagaggaaa caagcccatc tttatcacta 420  
 attacttagc ttgaatactt ttctattttt aaataatcct aattattgcc ttttcaatta 480  
 tagtctactg gattttattt tatgggatca acagggtatt atcaaacatc tactgtgtgc 540  
 ccagcactac ctagt 555

<210> 25  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens



<400> 25  
 ggtacaagct tttttttttt tttttttttt ttttcccttc attgtccagt ccccatgaat 60  
 tttttttttt ttatttaaatt caactgaatg agatttcaaa gcaacgaaaa ttgaagttca 120  
 aatgaaacca aattaccact ctgagctcca ggtggccctg acagcccagt tttgtgaagg 180  
 gcccttgagg ctgttccactg aatctgagat gtcaccaggc atggagggtc tctgatcagc 240  
 atccagagct ccagagtagg gagcaacccc tcaccaccac ttctgggccc caggcaaggc 300  
 agagaccaaa agaaccctgg taagggtccc caacctccat gttcatttaa aaaaaatgtt 360  
 taaaactgac aaataataat tgcatatatt catgggggtcc atcatgatgt ttt 413

<210> 26  
 <211> 638  
 <212> DNA  
 <213> Homo sapiens

<400> 26  
 acttagaatc gtgtgtccat ctgaagccag tgcagaggcc aaagtcagtc aatttaatat 60  
 gaccatcacg atcaatcaaa atattatcag gtttaatatc tctatgaata aaaccatttt 120  
 taaggaaacac ctttcaaact gcacaggtaa gttctgctat gtagaatcgt gccagacttt 180  
 ctggaaagat gccatttcta ataataggc tcatcatatc acccccagga atgtagtcca 240  
 ttacaaaagta taaattgtcc ttatcttgga atgaataata tagacgaact acccattcat 300  
 tgtcagcttc agccaggata tctctctcag ccttaacatg agcgacttga tttcgaagaa 360  
 gaacatcttt atttcgaaga gtttttgttg catacaaagc cttagtatct acttttcttg 420  
 ctagacagac ttcaccaaatt gctcctatct ctagtgtctt tatcttcaca aacatagact 480  
 tgtccatttt agccctttta agacggatgt aattagatct tttttggcaa agcatctttc 540  
 tcatttgatc ctgggcatct tgagataatc caaccgcag catttcattc tctaattgtt 600  
 ttttacgatg tagacgtgc tgatgagatt tgagtacc 638

<210> 27  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens

<400> 27  
 ggtacacgtc gttctcttca agatctcata gacaatcgtg ctccgggttt tgctgtcgaa 60  
 aaaggaaatcc ttatcagaca agtcaaatag atgctgcttc tcccgggaga agggatagga 120  
 gagtctcttc atgggtctggg gcctgtgctc agccactttg ggctggatgg gatctgtgat 180  
 tttctggagc acagagttga tttttttcag gaggccacgg gtctcattaa tgtggt 236

<210> 28  
 <211> 607  
 <212> DNA  
 <213> Homo sapiens

<400> 28  
 ggtaccacgg gaaagatcag gactttggct gcaccctttt ccagctcctc catgttacag 60  
 atcatatggg cacaagtggg aaaaatctcc acggctcggg aacgggttcg aataccatac 120  
 acctcagcca tgggtgaagat cttatacatc tctgggagaa tgacaggagc aacaaagtgg 180  
 catctgtgtg tctgttactt tcacgagtga attctgtcag cacacgcatg gctccatgga 240  
 cggcatttaa gtctccgctc accaacaatc ccatgagcag gttgaagagt tggggccaag 300  
 cttcaggcca gtcccagtgg gcaatggctg acactgcata ggccacactg gagcgcaatt 360  
 tgcttatcga ttctctcaac ccattaggca atagctcccg gataacaatt tttgcccttt 420  
 ctgtagtctc aggaggccta aatttctctg attgggcaca ccagtgagtc tccacatatt 480

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| gtttcaagat | gactgatgcc | agctgacgga | ttgccagtgc | cccctgggga | tctacagtca | 540 |
| gttctgccaa | gtgaacacca | aattcctccg | tcacctccag | caccttaatc | tgttcttcag | 600 |
| cagccgc    |            |            |            |            |            | 607 |

<210> 29  
 <211> 612  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(612)  
 <223> n = A,T,C or G

|             |             |             |            |             |             |     |
|-------------|-------------|-------------|------------|-------------|-------------|-----|
| <400> 29    |             |             |            |             |             |     |
| ggtactaaact | cgctttacct  | ttctgatatt  | cgctctaaga | ttttacttcc  | tattatatag  | 60  |
| tgtttgagct  | ataccagggg  | gaaggacctg  | tcacttctta | atgaatggcc  | ttgggtcaagg | 120 |
| gtttttaaag  | tttcagggtca | gaaatgtgga  | tgtgaaaaaa | tgttttttta  | gaccttcaca  | 180 |
| ggcttactag  | tatcacagca  | ataaatgatt  | ctaccaggat | attcttcgta  | gacttagttg  | 240 |
| gcctggaggt  | agacttttaa  | ggatatatct  | gtgcttctga | ataaaaattag | ctaagaattc  | 300 |
| aacattatgg  | aattcaataa  | attccagggg  | gaaatcagtg | aattaggata  | cactgcctct  | 360 |
| taaattctaa  | accctatata  | tcccacctgt  | tgcatgtang | gggcatgtgt  | gcatgtggca  | 420 |
| tcaaaactag  | ctgnggaccc  | ttttttttcc  | ataaaaattg | gncntactca  | tccttgggng  | 480 |
| aaaaancctt  | gaaggnaaaa  | tctgggggtna | aaaaaaagct | ttgggctgtg  | gaccaacctt  | 540 |
| ccangttccc  | ngggaaggga  | ttnggacctt  | gnaaaaannc | cntggaantg  | gcttgggcct  | 600 |
| tggattactg  | cn          |             |            |             |             | 612 |

<210> 30  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 30   |            |            |            |            |            |     |
| ggtactgtta | tcatagcagc | actatccaac | atgaaagtaa | tcttataatt | tgcatttgtg | 60  |
| cccactccca | gctctttcat | tttagcttca | atccacttca | tatttgttgc | agaccaaata | 120 |
| acaatgtcat | aatcttcata | ggcagatgtt | agaaattcat | gaagatatgg | ccgcattaat | 180 |
| tctaccccag | tctctgcaca | agacctgtgg | tcaaataatg | tataatcaac | atctagcacc | 240 |
| aaaagctttt | tcccttccct | gggaggattc | aaaatttcca | ctttgc     |            | 286 |

<210> 31  
 <211> 606  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(606)  
 <223> n = A,T,C or G

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| <400> 31   |            |             |            |            |            |     |
| accttatttt | gctgagctta | ttatataata  | ccagagcaga | atagaaggta | gaccacggg  | 60  |
| aattcaaate | ttggctgtgc | caccacttcc  | ctgggcaagt | cacttccctc | ctctgtgtcc | 120 |
| atttccaaat | ctttgaaatt | cagtttagaaa | catcacttta | aaaacagggt | tgttgtgaag | 180 |

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| atatttatgag | ataatgtata | aaataagttc | ttaccaagta | tcagctatga | tatttatgat | 240 |
| atatttagagt | tattaattat | actgtgagga | ttaaggaact | tggcagagga | atacagtagg | 300 |
| tgcttaaagt  | gtatcctaaa | atattattta | aaaataaatg | acagtaatgg | gaataccgca | 360 |
| attacttttg  | caccaacgta | ataatagtag | gatattttaa | gttgagatca | caggaatcag | 420 |
| tgcagatatg  | tctcatttta | cccacaggtg | gcgctcatgg | ccgggtttaa | ttctgaaaaa | 480 |
| ccttaaaaag  | tcccttgggc | gngaaccnnc | ttanggcgaa | ttcccgnnca | ctngngggcc | 540 |
| gtctaangga  | nncnatttg  | ggccaacntt | ggggaaccng | ggcanaccgn | tcccggggna | 600 |
| aatggn      |            |            |            |            |            | 606 |

<210> 32  
 <211> 615  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(615)  
 <223> n = A,T,C or G

|             |             |            |             |            |             |            |     |
|-------------|-------------|------------|-------------|------------|-------------|------------|-----|
| <400> 32    |             |            |             |            |             |            |     |
| ggtaactcatg | catcttcgatg | agcagctctc | ttatcttctc  | agtaacatag | tcacctctctc | 60         |     |
| actggaaagg  | tctgtatttt  | atactctttt | gggttaaagtc | actggcagac | agaaacatca  | 120        |     |
| atataccta   | at          | tcaggatgga | tgccacagtc  | tgcccagtta | gctcattaat  | tagataattc | 180 |
| tttaaaaaata | ttgacaaaacc | attaattaag | agctgattat  | tcacacatca | aacaattctt  | 240        |     |
| cacttaaaact | agaggatttc  | tttaaatagc | agctccccct  | ggctgcattt | atctctttgt  | 300        |     |
| gtaagtttat  | tagctatttg  | gcagagaaat | ttcagaatgc  | cagctacaag | tcagtgcagt  | 360        |     |
| tgaagaacag  | aatgtaatgg  | agggaaagta | tttctggaag  | catggcattt | attccaagaa  | 420        |     |
| attatctaag  | aatgnaattc  | ctttggaaag | tgcttaatat  | aattatatat | gnaatcncaa  | 480        |     |
| ttaatttctt  | aaataantct  | ngggaatggg | ccagattttc  | tggtttggaa | aagcccggtt  | 540        |     |
| ntttngaate  | caaataantt  | gnccaggctt | tttnnnntng  | nccnnggtng | accnggggtt  | 600        |     |
| gattcaangt  | ttcnn       |            |             |            |             | 615        |     |

<210> 33  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 33   |            |            |            |            |            |     |
| acagacttcc | atctccccaa | catcttgaag | atgtatcaat | ttttttaaat | taagaattac | 60  |
| tttaaacagc | actcatttca | gaagataggc | agagggtatc | aaacttctgc | tccaatcttc | 120 |
| tcattattcc | aaggttcata | aaaaccactt | aggaagacct | tggttactgt | gacacatcac | 180 |
| agctataagt | gtaggtggcc | tagactctcc | ctatctctta | gctgccctga | gtcatgtgaa | 240 |
| ataagatagt | gaccttctcc | atcatcccta | gaggctctct | ccccgagaga | gagtacc    | 297 |

<210> 34  
 <211> 468  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 34   |            |            |            |            |            |     |
| actgtttagt | gggatccatt | ttatacaggt | gacggtcagt | gacaaaaatt | gctctgtctt | 60  |
| ccaccttact | aaatcgattt | accttacgga | cgtgacagga | aaagaggaca | ttcatgtatt | 120 |
| tgctcttccg | tttcaattca | ttagcaacag | ggacaaaagt | gcctgaggtc | tgaggtgtat | 180 |

|             |            |             |            |            |            |     |
|-------------|------------|-------------|------------|------------|------------|-----|
| ctggcctttga | agcaagatag | ttgccctccc  | aggccctctg | gagcccgagg | tcagcccttt | 240 |
| gacccttcaa  | catttccacg | gctgcaacct  | ttgccctgac | ctggggcagg | tctgaggccg | 300 |
| gaatgctctt  | gatgagctgg | gatgctctcc  | atctattgaa | aatcgtctgc | agggcctcct | 360 |
| caaaacggcg  | aagaacttta | ggaggggcttg | gccacttcac | gtgcttcccg | tagtctcgca | 420 |
| tggtcttgac  | gccatggaaa | cgtctggcca  | cctcgtggat | gtacctcg   |            | 468 |

<210> 35  
 <211> 314  
 <212> DNA  
 <213> Homo sapiens

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| <400> 35   |            |             |            |            |            |     |
| ggtacttatg | gctccagata | aaatctctgg  | tggccacatt | attcaagact | ttttaaaagt | 60  |
| ctttatctga | aatatcttca | tagacatgaa  | tatgaaagtt | ctgaaaattg | tgttcaatgg | 120 |
| cccgtgtgtc | ccagaagatc | ctaattgtaaa | gatgcatatt | tataaagtaa | tttatagaat | 180 |
| aggattaaac | atatgtagaa | ctttattaag  | aaaatataat | gactttggga | ccaattacag | 240 |
| gcccttgaac | agccacaata | ggctcaggag  | ggctgtgctt | ctgtgtaaag | tcccctccca | 300 |
| gacaccacca | gggt       |             |            |            |            | 314 |

<210> 36  
 <211> 600  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(600)  
 <223> n = A,T,C or G

|             |             |             |            |            |            |     |
|-------------|-------------|-------------|------------|------------|------------|-----|
| <400> 36    |             |             |            |            |            |     |
| acccaatgtc  | atgggaatga  | tgtgcctgtc  | acccccattg | gacaagctgg | ggaacagcca | 60  |
| taggggggacc | agcttctgcc  | agaagtgggt  | gtctctcttc | aatttccaca | actatgacaa | 120 |
| cctgaggcac  | tgtgctcgga  | agttagaccc  | acggcgtgaa | ggggcagaaa | ttcggaacaa | 180 |
| gactgtggtc  | aacctgttat  | ttgctgccta  | tagtggcgat | gtctcagctc | ttcgaaggtt | 240 |
| tgcttgttca  | gccatggata  | tggaaacagaa | agactatgac | tcgcgcacag | ctctgcatgt | 300 |
| tgctgcagct  | gaaggacaca  | tcgaagtgtg  | taaattcctg | atcgaggctt | gcaaagtgaa | 360 |
| tccttttgcc  | aaggacaggt  | ggggcaacat  | tcccctggat | gatgctgtgc | agttcaacca | 420 |
| tctggagggtg | gtcaaaactgc | tttcaggatt  | accaggaatt | tctacacaac | cttttgaaac | 480 |
| tcaggcttga  | gggcacaann  | tgaaggccct  | nttcnaaang | aaacttttaa | aaagccttng | 540 |
| gttttaaccc  | ncgggtcant  | gnnnaatccc  | tggtttaana | aaaaancctn | gacttggccg | 600 |

<210> 37  
 <211> 516  
 <212> DNA  
 <213> Homo sapiens

|             |            |            |            |            |             |     |
|-------------|------------|------------|------------|------------|-------------|-----|
| <400> 37    |            |            |            |            |             |     |
| ggtactgctg  | taggaaagaa | attaaggaca | gtagtatggt | gcctgtgaat | tctggcatac  | 60  |
| atgttttaaat | caattacaat | tatgcaagta | aaaaaaggat | atccccact  | aattcatgca  | 120 |
| ggctgaaaag  | tctagtatgt | aaacctgcag | cagaatctaa | ttttaagaaa | caggcaccta  | 180 |
| atthttgattg | tgaaactcac | tcacctgagg | aaagcttcca | tcaggctcac | tatgccctt   | 240 |
| gtgctgactt  | gcacactaaa | attagcaaaa | cagactccaa | ctattaaaaa | tatcaaaactc | 300 |
| ttcgtataca  | tacttttgtt | ttaaacttta | gtatgcttag | agcaaagtag | gtgcctttac  | 360 |

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| taagctatat | ttagagcact | atgggggggag | ctctagtgtg | agaaacagtt | tctcaagggt | 420 |
| aacaatccta | aaaatctagg | atgtggaatg  | aaaactttca | ataatttgaa | agtattttga | 480 |
| gcagaaaaat | acatttgatc | caagtataga  | aagcgt     |            |            | 516 |

<210> 38  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| <400> 38   |             |            |            |            |            |     |
| actgaaagga | tgaaaagggtg | gtgtcatgtt | ttggggagaa | tcttacttct | caaatggaaa | 60  |
| ttgcactttt | tgctgaatcc  | tttgcathtt | tttggtagta | agcagttcat | tgagtatcag | 120 |
| gtcctcaaag | gaatgagttg  | gccccgctag | ggtgggccct | cttgacctaa | cttcagaggg | 180 |
| ggccttggtc | cagtaggtgt  | gaatcaggga | agccacattg | tcctcagggg | gctgtatgaa | 240 |
| gctgggtgtg | ggcggattcc  | tcccacacct | tcacactggc | ctgcctccaa | ctcatacaga | 300 |
| tctcgagcgc | gtcgggtacc  |            |            |            |            | 319 |

<210> 39  
 <211> 592  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(592)  
 <223> n = A,T,C or G

|             |            |             |             |             |            |     |
|-------------|------------|-------------|-------------|-------------|------------|-----|
| <400> 39    |            |             |             |             |            |     |
| acctacactt  | ggaataagac | actgttctga  | atttgtgtca  | tagttttttt  | ttcatattga | 60  |
| cattaataga  | ggcttctatt | gggggttaggc | taaaaatctt  | ttgtaaaaaa  | ttttaaatga | 120 |
| cactgctgat  | ttttctccgt | taattatcag  | tttataagct  | aataaaaaact | ttggcttgat | 180 |
| attacattct  | agtggttaaa | tttgtcatag  | aagggaatatg | tgctgagtta  | cttatgtatt | 240 |
| gtaattcttg  | gattacgatt | ttttatttga  | aaattagaca  | aagtttggtt  | tttaatttta | 300 |
| tttcatttta  | ataattgagt | tcagattaaa  | tgggaaggct  | aaatttgaat  | tcctgttttc | 360 |
| tctcaaaaata | ctgnttttct | attattttta  | ggcattcctt  | ggaggtctaa  | aattgggcat | 420 |
| ttataggtgt  | tgatgaaagc | acacccgatt  | taaagaatgg  | atgaccccc   | ttctgnatna | 480 |
| aacctttaat  | ngaattttta | annccaaact  | ttgggtcctt  | taaacctngg  | acctcctttc | 540 |
| ccnnaatccc  | cttaaaaaaa | ncntnggent  | tngcanaatt  | cnntttgccc  | aa         | 592 |

<210> 40  
 <211> 577  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(577)  
 <223> n = A,T,C or G

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 40   |            |            |            |            |            |     |
| ggtacagaac | ctaaagggtt | cactgaatgc | gaaatgacga | aatctagccc | tttgaaaata | 60  |
| acattgtttt | tagaagagga | caaatcctta | aaagtaacat | cagaccctaa | ggttgagcag | 120 |
| aaaattgaag | tgatacgtga | aattgagatg | agtgtggatg | atgatatcaa | tagttcgaaa | 180 |

|            |             |            |             |            |            |     |
|------------|-------------|------------|-------------|------------|------------|-----|
| gtaattaatg | acctcttcag  | tgatgtccta | gaggaagggtg | aactagatat | ggagaagagc | 240 |
| caagaggaga | tggtatcaagc | attagcagaa | agcagcgaag  | aacaggaaga | tgactgaat  | 300 |
| atctcctcaa | tgtctttact  | tgaccattg  | gcacaaacag  | ttggtgtggt | aagtccagag | 360 |
| agtttagtgn | ccacacctag  | actggaattg | aaagaccag   | cagaagtgat | gaaagtccaa | 420 |
| accnggaaaa | ttccaagaac  | tcngtgcctn | gactggatct  | tgggganaac | ccttggttnt | 480 |
| taaaannngg | acntttttnc  | cggcttgggg | ccnttttaga  | tttcaaagtt | tcangaaccc | 540 |
| aaacgggcct | tnattaaanc  | cggngattgt | tcgaagg     |            |            | 577 |

&lt;210&gt; 41

&lt;211&gt; 490

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 41

|             |            |            |            |            |             |     |
|-------------|------------|------------|------------|------------|-------------|-----|
| ggtacacaag  | agtataggta | tataaaacta | aatgaagtca | atcatattga | ttatcccccc  | 60  |
| aaaaaaaaata | taatctaaag | aataatcagt | tcctaaataa | ttgaaagctg | cccttacaaa  | 120 |
| ataaaacaaa  | agaacacaca | tttcgttggt | ttgccaggc  | tggtctcgaa | ctcctgggct  | 180 |
| caagcagtcc  | tcccacctcg | acctcccaag | atgctgggat | ttcgggacat | gagccaccac  | 240 |
| gcccggggcca | aagctgcctt | tttttaacat | ggattttttt | tccccattc  | gttggtgctca | 300 |
| gaagtcattt  | cctcttattt | ttctctgcta | atgtgtgctt | taacaaacct | gtttaaaacg  | 360 |
| acaagccttt  | aatcaactgg | ggtgttttgt | tttgtttttt | tcttattttc | ttaggagtca  | 420 |
| gtggatcggt  | ggggaaaatg | ctgcttacct | tgggccttgg | gctgtagaaa | gaagacacca  | 480 |
| aaggcaaatg  |            |            |            |            |             | 490 |

&lt;210&gt; 42

&lt;211&gt; 571

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(571)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 42

|             |             |            |            |             |            |     |
|-------------|-------------|------------|------------|-------------|------------|-----|
| ggtacttgcc  | ttttaacttt  | ccccacatt  | actggtgagt | catggaataa  | tgtttaagtt | 60  |
| gttatttgca  | tggaatttaa  | gtaggctggt | tatttatcta | aaggaatcaa  | gtccactcct | 120 |
| ctgcctgcaa  | catttggttca | aaaactaacc | aaggtaaaat | atttatttga  | aagcccaact | 180 |
| ttgatgttaa  | atattcttga  | ataaatctgt | tattttaaga | atatcacatt  | attcaatgca | 240 |
| tataaaacta  | tcagaagtta  | gtaaatcata | ccagcactaa | aaataagaca  | attggaatat | 300 |
| atttttagcat | cagttttacaa | acaactttat | tatcaacaga | aatttttagct | cttttctttg | 360 |
| caagatatat  | cacagctgct  | ttgggcagta | gctgaagccg | aagtatgaac  | agtccatttt | 420 |
| gtttcttaaa  | atttgaagtc  | gtgtctgtcg | tagcattttt | actaccagca  | gtatgttact | 480 |
| taaaaaacta  | catggctttc  | cttgaattta | tttgaccgna | ttatgtaata  | gacttgaaac | 540 |
| aattgccatc  | ttttagnta   | tgcttgggtt | c          |             |            | 571 |

&lt;210&gt; 43

&lt;211&gt; 708

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(708)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 43

|             |             |             |             |            |             |     |
|-------------|-------------|-------------|-------------|------------|-------------|-----|
| aggtagctgca | aaaatgaagt  | attattctct  | aagtattcat  | tttatccctt | tcatttcagc  | 60  |
| aaaatcacac  | atgtgaataa  | acaggatcga  | aatacgacac  | ttgtctttcc | tcttaattta  | 120 |
| aggaatatat  | tgttttagatt | attgttcata  | ttagacaact  | gcctcaaaaa | tgttttaattg | 180 |
| ccatccaata  | aataaaacttt | tgatagatta  | tgactttttt  | taattttaag | ttgttaagaa  | 240 |
| tattaacttt  | gagtcctcta  | ttaatattct  | aaaagctagg  | attcaattca | gcagtttcct  | 300 |
| ataacatttt  | agaacccaag  | gcataactac  | aaagatggca  | attgtttcaa | gtctattaca  | 360 |
| taataccogt  | caaataaatt  | caaggaaaaag | cccatgtagt  | ttttaagtaa | ccatacctgc  | 420 |
| tggttaagtaa | aaaatgctta  | cgaccggacc  | acgactttca  | aaatttttaa | ggaaaaccaa  | 480 |
| aaatnggacc  | tnggtgccat  | taccttttgg  | gnntttcaag  | cntaccttgg | gccccaaaag  | 540 |
| ccaagcttgg  | nggaatataa  | tccttggcca  | aaggnaaaaa  | ggaagcctta | aaaantttcc  | 600 |
| ngggngggaa  | naantnaaaa  | gttnggtttg  | gnaaaaaccn  | ggangcctaa | aaaattttta  | 660 |
| tttccccaaa  | ttggggccct  | naaatttttn  | aaagggcnnng | ggganang   |             | 708 |

&lt;210&gt; 44

&lt;211&gt; 632

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(632)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 44

|             |             |            |             |             |            |     |
|-------------|-------------|------------|-------------|-------------|------------|-----|
| ggtactagggt | ctattaaatc  | tacctgctta | aaaagggtttt | gaactgaaga  | ttccaggagc | 60  |
| tgagcagctg  | cctcttcaaa  | ggttttgaga | gtaacaaatt  | ggacctggta  | gtttttgcta | 120 |
| acaggggtgga | ggccgttgat  | catgccctca | gtgggtgatga | tggccaggta  | tgcaccgcag | 180 |
| gggctcactg  | ctatcccggtg | agtccttact | gagccaaaca  | catctgagag  | tttaatcaac | 240 |
| tggtgttcaa  | acttcaatgc  | aacatctgtg | aaaatgggaa  | tcagctgcct  | cacctttccg | 300 |
| tactggagc   | aagtatagac  | tgttccattc | tgtttgctctg | cagtcattgga | gacaattggc | 360 |
| agtgaattga  | aggcctgtga  | catgggaatt | gtgaaccatt  | nagccctgct  | ttggagatca | 420 |
| gaagangaca  | ccaaaattca  | taagancctc | ttgcagccca  | cttactaaag  | ctgcnactac | 480 |
| actttttggt  | aagggatgaa  | taaangtggc | ccacatttng  | atactgngca  | cnagntaact | 540 |
| tgggnccatt  | tcttttcnc   | aagannacca | gggttgnctt  | aaagnggaaa  | tannctttna | 600 |
| cngnttttna  | aattnccng   | gaaaaatttt | tt          |             |            | 632 |

&lt;210&gt; 45

&lt;211&gt; 664

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 45

|            |            |             |             |             |            |     |
|------------|------------|-------------|-------------|-------------|------------|-----|
| ggtacccggt | ctacagtaga | gagggttttat | gaaaataaaa  | tacaagacca  | aattcaaaga | 60  |
| gcttttaaaa | ccacagagcc | agacaaatgt  | gagagggttat | tatgagcaaa  | caatgacatt | 120 |
| acagaagtga | aagtgtctaa | gtgccatcaa  | gaacaagggc  | tctatttcac  | tcccatgtgt | 180 |
| caccataata | aagacagagt | ccctgatctt  | aaaggcatca  | attttgcccc  | actggaagcc | 240 |
| ttaattgtaa | ttcattaata | cagcagcatc  | ctaaaagtta  | ctgccgtttc  | taggaatcca | 300 |
| aacaactggt | tttaggtcct | aaagaatttg  | aatcattaag  | aaattttaaag | taccactct  | 360 |
| gggccagttg | atggctgcga | agagagcaga  | aggggtgctg  | ctgtaggaaa  | tcaatggctc | 420 |

|            |             |             |             |            |             |     |
|------------|-------------|-------------|-------------|------------|-------------|-----|
| ggaagaccac | actgaggaag  | gtgtgagttg  | atactggaag  | atctccaggt | ttgagggcatc | 480 |
| ttcagaggta | tatgggtggtt | ttgtgtgtgt  | tgaggggtgtg | gtagcgcagc | agctccctag  | 540 |
| ggaattagaa | gggttttattg | aacattttacc | ctgtgacagg  | cactgcaggc | attcagcgcg  | 600 |
| cagtgtcatc | ttcatttttac | aggtgaggaa  | aagactcagg  | ttcaagtaga | tggtcaaggc  | 660 |
| cagt       |             |             |             |            |             | 664 |

<210> 46  
 <211> 633  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(633)  
 <223> n = A,T,C or G

|            |             |             |            |            |            |     |
|------------|-------------|-------------|------------|------------|------------|-----|
| <400> 46   |             |             |            |            |            |     |
| ggtacgtggt | tatgggatgg  | gcacactaga  | tgagatggaa | gaagatgtgc | cagtgatgtg | 60  |
| gagacaggga | gtgtgggaga  | ggagcaggta  | gagctcagag | acggtgcact | taggcctgtg | 120 |
| gtcattgggg | gtgacccaag  | tagccagcag  | ctgcccagcg | ttttgtgttt | ctctcctggg | 180 |
| tccttaggag | tggaaattgt  | gtaagaacaa  | tgtgtgaggt | tgtggcctgc | ggggcagtta | 240 |
| gcagttgtca | gaccggtgcc  | tggaaagtgtt | tcttgatca  | ggaaatcagg | actgaaaggg | 300 |
| gcattaagtt | tgtctggacc  | accctgtcat  | tgtgcaatgg | ggagatcgag | gccttttggg | 360 |
| aggaaaggcc | ctgcttaagg  | gccgtataat  | tgaagtcagt | ggctgtgttg | gggcctttga | 420 |
| acctgccaaa | agctgggtgcc | tttctccact  | cctcagtgtc | tatgccccaa | gtgaggggtc | 480 |
| agnccagcct | ctcccacttt  | cctcccactt  | tcactaagca | cctgctctgg | taggcccagt | 540 |
| gctgtatgct | gtgaactcag  | gctggttagg  | tgctaattta | ttcaccacag | cagacattct | 600 |
| agtggtctct | gcattggcagg | cactgttcga  | agt        |            |            | 633 |

<210> 47  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |             |             |             |     |
|------------|------------|------------|-------------|-------------|-------------|-----|
| <400> 47   |            |            |             |             |             |     |
| accagttgct | cctccatgat | ggtctgggat | cacagaggct  | ccaagtgggg  | acttcactac  | 60  |
| ctagaccagt | ccccacatg  | gtccctccct | gggctgcac   | tttgccctgtc | ttagtctcct  | 120 |
| gtgttccttg | agaaagtggg | gtcaataaca | cctttctctt  | caggttgtgg  | gagaacggct  | 180 |
| cccagccacc | ttctgttttc | ccttctcttt | gagctctaga  | ttcagggagg  | gggtaaggca  | 240 |
| agaccagggt | ccagaagctt | ggctgagacc | agaagccagt  | gcttactgtg  | ctactgccac  | 300 |
| cttcagcagc | aaggggccca | ccaatcaggt | ccctagattc  | aggccccagg  | tgagagctgcc | 360 |
| ctcccgattc | tagggagcct | ctctacctga | aagggtgcaca | gaaaaacact  | gcagaaaact  | 420 |
| caccagcaa  | ggg        |            |             |             |             | 433 |

<210> 48  
 <211> 633  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(633)  
 <223> n = A,T,C or G



```

<400> 48
acttcttcag gtaacactgt aaggatctcc agcaaaaaag gcaaagaagt cacatcattg      60
ctgtattttt ccaccagtgt ttgcacacat cccttccagg aaggcatctg tagggcaaga      120
tctgctattg cttaaagccag ctgcggttaca ataacagggtg acaagtcttt caagttctgg      180
atatgggtta gcaatgagtc ccgtaaagag gcatgagagt ctgtggggag ctcataaaat      240
gaggctctgaa tcttcatttt catggtctgt gcagcaaaat agcatgactc cacatcctgc      300
cggtatctgta acaactggtc tgagatctcc catgcatgaa ccgaacgctg cagcttccca      360
agcnaaaaag agnggccgct cctttcccgc tgggatctgg ggtccgtggt aaanccgcct      420
gcactggctt ggtaccacca ataaaggnc aattncgaaa aaaaaanaaa aaaaaaacc      480
ttggccggga ccacncttan ggcgaaatca acacactgcg gccgtctang gatccactng      540
naccaaacttg gcgtancatg gcnmactggt tcctggggna attgtanccg ttcaaattcc      600
ccaattacaa cccganntca aannaaactn ggg                                     633

```

```

<210> 49
<211> 624
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (624)
<223> n = A,T,C or G

```

```

<400> 49
ggtacccctc tctcacacat gtcaaataatg aagaggcaga aggagccaat ggcaatgggt      60
ccgacttgct tccaataccc tgcgatgtgg ttccgctcgt gctgatccat catgtgctcg      120
ccacagaaga tgatccagaa ggacagaagc atcgcataga agatgccctg tcggatgtca      180
ccaaacagca gcatccaggt ccagtcaaac ccgatggaaa accattccac tgggatattg      240
ataaagggtca tggaaatccc aagggcaaag atgacttttt tcagaagcac cgggggtcgg      300
gacatcatgg tgatcctcct ccaataccac accataatga tgaagatgct gggccgtaag      360
gaaggtcttc atggcaaacc acaccttggt gaagcctcca ttttggtgga tccccaccaa      420
cccggatata ctttatctcc caattcccac attgatttct tcttcttatt cacaggcagn      480
cggtatgttna aangnaaaac ttatggccac agaccattt natgaaagga agacttacat      540
catagtacgg ccttatgctt ggatcttgga anntgagggc attgagntcc nggactgccg      600
gcggggcntta aagngaattc acnn                                     624

```

```

<210> 50
<211> 733
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (733)
<223> n = A,T,C or G

```

```

<400> 50
ggtaccacaa agacagaagc ttcacaggaa gagcgggtcta attcaagcgg cctcacatct      60
ctcaagaaat caccaaaggt ctcatccaag gacactcggg aaatcaaaac tgatttctca      120
ctttctatta gtaattcgtc agatgtgagt gctaaagata agcatgctga agacaatgag      180
aagcgttttg cagccttgga agcgaggcaa aaagcaaaaag aagtgcagaa gaagctggtg      240
cataatgctc tggcaaatct ggatggtcac ccagaggata agccaacgca catcatcttc      300

```

|             |            |            |            |             |            |     |
|-------------|------------|------------|------------|-------------|------------|-----|
| ggttctgaca  | gtgaatgtga | aacagaggag | acatcgactc | aggagcagag  | ccntccagg  | 360 |
| agaggaatgg  | gtgaaagaag | tctatgggg  | aaaacatcag | gggaaagctg  | gttggatagc | 420 |
| agtn gatgat | gaccnaaatc | tggantcttg | naagaatgac | cggt nattan | ggntccaaaa | 480 |
| atttaaacc   | ttangttttg | aaggggccna | aacttnggac | cnnaaanctt  | cattgggatt | 540 |
| taaccaggtn  | ggnaentttt | gggcacccca | ttgacccgna | tttcccccat  | tgggaccttt | 600 |
| tcgaatttct  | tanaaaactt | ggncnnngga | aaaaaggga  | cccgggaaaa  | agggtaaaat | 660 |
| ggaaaaggaa  | aaacctggnt | tngggaaaaa | aaaaacnttt | gccccaaaaa  | aaaaaangaa | 720 |
| aagccccctt  | ttt        |            |            |             |            | 733 |

&lt;210&gt; 51

&lt;211&gt; 565

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (565)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 51

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| acattaagtc | aagattgagc | tttgatttaa | aaggaacata | aatcctttac | attataaagg | 60  |
| gaagacataa | atctctccaa | tctaaatttt | ctcatcttgg | atgatgtcat | taaactgcag | 120 |
| ctcaaactga | gattagttta | gaattttatg | taaattacat | ctttgaacaa | atgagaacaa | 180 |
| ataactcatc | tgcagaatat | ataaagaacc | ttcataatc  | aaaaggaatt | agacaagcac | 240 |
| ctagttttta | aaaataaatg | gtgaataatt | taaacagaaa | cctcaaaaaa | gaaaatatca | 300 |
| gagtggccaa | taagcacata | gaaagataca | caacatcatt | agtttttaag | agaactacaa | 360 |
| attaaagcaa | ccataaagat | acctcccca  | cactacnaga | atgactaaat | ttttaagtc  | 420 |
| cgacagcgtt | gtgcccgttg | tccaataacc | actcaggtta | agtgatttct | ggaanggctc | 480 |
| cagaactcag | aaaagctata | cttgctatcc | tannngtatg | ggttggtacn | gtggaaaaat | 540 |
| cccggttaaa | tcaggtaaag | accn       |            |            |            | 565 |

&lt;210&gt; 52

&lt;211&gt; 637

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (637)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 52

|            |             |             |            |            |             |     |
|------------|-------------|-------------|------------|------------|-------------|-----|
| ggtacgttcc | aaagaaccaa  | ctggttcttg  | atctgtctct | gagagataac | cttcaaattcc | 60  |
| ttgaaatata | ctgcatgata  | agagtgagtt  | tgtaaatgtg | gggccttcga | tcattgcaaaa | 120 |
| tagtttatgc | taaccatgtg  | atttatgggtg | gggaacttga | ccatgctgtc | agtttgacat  | 180 |
| ccggaggggc | cgagtgttaa  | gtaactaagg  | ttggccacat | gggcaatcca | tgcttctgta  | 240 |
| actgaagcct | aatagaatct  | ctagacaacg  | aacagcttgg | gtgagcttcc | ctgcttgata  | 300 |
| atattccaca | ttgnnttctg  | gaagaattga  | acattcttta | cacagcttca | ctaggagcag  | 360 |
| acaactggaa | atttgctctgn | ggntctctct  | tgggagaact | ctgggncttt | tacctggatt  | 420 |
| taaccnggat | ctcttnactg  | naaccaaccn  | ttaccttag  | tatngccaag | gataactttt  | 480 |
| ttgaagtctg | ggagtccttc  | cgaaaatnct  | taacctgatg | gnnttgggan | ccccggcaan  | 540 |
| cttgnggcct | ttaaaattan  | ncntnttgna  | nggtgggggg | gnnttaaggg | ggtttaattn  | 600 |
| gagtncttaa | aactaagnng  | ggggggnttt  | ttttgggn   |            |             | 637 |

<210> 53  
 <211> 632  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(632)  
 <223> n = A,T,C or G

<400> 53  
 ggtacatcca agatttgaag aactgaaata aatcagcttt aaacctgctt tttaaaaata 60  
 tctgggttgg aatttgcccc tgacaaataa taaaatgatg agtgatgcaa gtgacatgtt 120  
 ggctgcagcg ttggagcaga tggatggtat catagcaggt tctaaggctc tggaatattc 180  
 caatgggatt tttgattgcc aatctccac ctctccattc atgggaagtt tgcgagctct 240  
 gcaccttgtg gaagacctgc gtggattgtt agagatgatg gaaacagatg agaaagaagg 300  
 cttgagatgc cagatcccag attcaacagc agaaacgctt gttgaatggc ttcagagtca 360  
 aatgacaaat gggacacctt ccagggaacc ggagatgtgt atcaagaaag gctggcacgt 420  
 ttagaaaatg ataaagaatc cctcgggtctt canggtaagt gtgntaacag accagtggan 480  
 gctnangggag agaaaatcna gaattggagt ttggcttgaa aaccngaga gaattgaatg 540  
 cccggaagaa tgctgcacag gagctntaat tggacttctt aaactcnaaa ttggactgan 600  
 gctgaaantt acctgagttg actgnnttgg tn 632

<210> 54  
 <211> 661  
 <212> DNA  
 <213> Homo sapiens

<400> 54  
 acaatagaac tttcagaaaa ttctttactt ccagcttctt ctatgttgac tggcacacaa 60  
 agtaaggctg ttgcttttcaa tgcattgcaat attaaacttg agtgtttact aactctgtgt 120  
 tttgcttacc tggcttttct tcttgaaagt tgcttaattt tttttcctcc aagagggaatt 180  
 atttaaaaag acttttgtct gtgacataac caagatttat tctgtttacc taagggaactt 240  
 attttctttt ttgcaatttc atttattctg agtcacttta tttgtaataa gtgaagaatt 300  
 ttaatactta gaaataagtt gtaaagaaaa taatgagaat cttaccatgc tttagaggaa 360  
 cggtaatttc tagaaatagt taaaagatga aataactaaga tattatttta ctttctttat 420  
 atagctgtat atactggtag tatgaaagca actagtgtca ttgatgattt ttgggggggg 480  
 tatttttgta ttctaggctt gctgcaacct catttagaga ggggttgccat cgatgctcta 540  
 caggttatgg tggttggtac ttccccacc aaatcgtaga aagcttcaac ttttaatgag 600  
 tatgatttcc cgaatgagtc aaaatgttga tatgcccaaa cttcatgatg caatgggtac 660  
 c 661

<210> 55  
 <211> 628  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(628)  
 <223> n = A,T,C or G

```

<400> 55
acaactgcct acattctttc tgtttatcac ttcagttaga agtggtacat tcccaaactc      60
taatgttaat ccgagaacgg tggggagacc ttgtgcaggt ggaaaggtat catgctggaa      120
agtgcctctc cctttcagtt tggaaatcaac aggttcttgg gagaaaaact ggaacagcat      180
ctgttcacaa agttacaatt aaaattgatg agaattgatg ctccaagcct ttacagattt      240
ttcacgatcc tcctttgcca gcttctgatt ccaaattagt agaaagagcc atgaagatcg      300
accacttata aatagaaaaa ctcttgattg acagtgccat gcaagagctc atcagaagct      360
tcaagaactg aaggccattc ttagaggctt caatgccnat gaaaactctt tcatagagac      420
tggctccagc tcttgggtgg nccatcttgg agccctgngg naattcanan tggctgccat      480
tttgnagaat tacattcttg gaaggntcaa tggagcttta tngacttgnc aggccctntg      540
ggtagaatgg aancnnggat gagatttgaa ccaatntacc cggattanca cttaagtttg      600
nttgcaaaaa ngttcaggcg nntnaaaa

```

<210> 56

<211> 635

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(635)

<223> n = A,T,C or G

```

<400> 56
acctcagctg gggaaccgtc ctagaaagag atggccacta tgctgtagct gccaaatgct      60
atttaggggc cacttgtgct tatgatgcag ccaaagtttt ggccaaaaag ggggatgcgg      120
catcacttag aacggctgca gagttggctg ccactcgtagg agaggatgag ttgtctgctt      180
ccttggtctc cagatgtgcc caagagctgc ttctggccaa caactgggtg ggagcccagg      240
aagccctgca gctgcatgaa agtctacagg gtcagagatt ggtgttttgc cttctggagc      300
tactgtccag gcatctggag gaaaagcagc ttctcagagg caaaagctcc tcctcttacc      360
acacttggaa cacgggcacc gaagggtcnt tcgtggaaaag ggtgactgca atgtggaaaag      420
aacatcttca gcccttgaca cccctgaccg tattanggaa nccttnanaa acttgagaac      480
attnagtacc ttgggcccga acacccttan ggcgaattcc acncaactgg ggccgtacta      540
nggggntcca acttgggccc ancttggggg aanatnggcn aacnggttcc ttgggaaatg      600
ttacccttcc aatcccncaa ntnaaccgg aggnn

```

<210> 57

<211> 345

<212> DNA

<213> Homo sapiens

```

<400> 57
actgcttgga tcttgetctc tccaagctgt gcacacacat aaggcagatg atgaccattt      60
gaaagatgag aaggtccggg aggaaagcat atccactctc atactcctcc tcactctcac      120
tggccaggct gaggttgggt gaggagggca ggtagaagag gcagaggttg aagtccctca      180
ggactgactg gcaaagttag gtcagctctg agtccacgga gctgcttttg ggctgtagga      240
ggctttgtag atacataaag ttcactagca accttttaac gtctttacat cgctttttgc      300
caggagacag tttccgagtc tcacacttct tcagttgggtg gtacc

```

<210> 58

<211> 638

<212> DNA

<213> Homo sapiens

```

<400> 58
ggtactttctt cttcctcctc atcctcacta gaggtcttctt ctgoggcattg attagacctt      60
gggggaggag cagtggcagt gccatctgcc ttctggatcg atggcttctg acagatgtat      120
ttgggggtccc ttccaagatt acagatttct tcaagtaact tgatgatggc agtcgttgca      180
tctgttttaa ggggtgggctg atgtctcatg agctcatcga cagcactccc caggttggtat      240
gcagtatccc caaggggatc agaacttctc ctctccgca tggctgggag gtaatctgga      300
gacagaagaa ctttgaagag gcgttcaaaa ggctgacact gaacaaaaga ctgaagacct      360
cgggcattca aacagagtgc actgaatata tttgggaggg agccaaggac ttcacgggta      420
gcaggaacat ctttgataaa gcagtgcattg cagcatgaca tctggcaatc cattgtcctg      480
gagtgaggag agcagtgatg gttcttgaaa tacaaacaca gtcaccactt cagttagctag      540
gaggaagagt gatgggccac agtattctgc attgctgatg atgtgtttca gggaggtagg      600
cagagaacca tccatcacat gtcgtatgcc atctgaga      638

```

```

<210> 59
<211> 728
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

```

```

<400> 59
gcgtgggtcgg cggccgaggt accatgccca gctaattttt ttacttttag tagtgacggg      60
tctcactgta ttgcctaggc ttctcaaaact tctggactca agcaatatgc ctgcctccgc      120
ctcccaaagt cctgggatta caggcatgag ctaccgagct cagttttgaa aggtagaagt      180
gtatgctaca agggatgtag gacttgagag tcaaggccta tggctctgtc ctggctctac      240
cagtaagtgt gaccttcgat gtttttttct caagtaaggc tggtaataat taccacagtt      300
gtgagaattg agaatttggg aatgcagtga aagagactat actcaagtct tgttctggac      360
taacagtgat cttaaaaatct ctcatttcaa agaaataaag tattttgatg atctcttgca      420
tggngtatt aataaacctt ggnataatgg cagaaactgt acctacaaca gggttaccgt      480
taactctttt tgggaagggtg tttggaaaaa naaggaatgg accttgaat cttggaagaa      540
cgttcaance tcatgacnta agggaaaaant tggaaaaggg ccattggnga ncccaaggac      600
ccaatgcccn tgctcttnaa aagggaaggg ggggaccang ggntcaaaat tggaaaaacc      660
gtttttccng gaaatccttt gggcccntt nnaaagggtcc ccaccttngg ggaattttga      720
aaaaaaaaa      728

```

```

<210> 60
<211> 581
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(581)
<223> n = A,T,C or G

```

```

<400> 60
ggtactggcc caaggcaaaag atggagaata tgaagagctg ctcaattcca gttccatctc      60
ctcttttgctg gatgcacagg gtttcagtga tctggagaaa agtccatcac ccactccagt      120
aatgggatct cccagtgtg acccatttaa cacaagtgtt cccgaagagt tccatactac      180

```

|            |            |             |             |            |            |     |
|------------|------------|-------------|-------------|------------|------------|-----|
| catcttgcaa | gtttccatcc | cttcattatt  | gccagcaact  | gtaaacaatg | aaacttctga | 240 |
| aaaatcaaag | ttgactccta | agccagagac  | ttcatttgaa  | gaaaatgatg | gaaacataat | 300 |
| ccttggtgcc | actgttgata | cccaactgtg  | tgataaaactt | ttaacttcaa | gtctgcagaa | 360 |
| gtccagcagc | ctgggcaatc | tgaagaaaaga | gacgtctgat  | ggggaaaagg | aaactattca | 420 |
| gaagacttca | gaggacagag | ctccggcaga  | aagcaggcca  | tttggggacc | cttccttcca | 480 |
| ggcccccaag | gcaggacacc | tcatggatga  | caacccttc   | gnactcgaaa | agtcagactt | 540 |
| tcttttgccc | cgggcttttt | taaaatccaa  | agttacnaga  | g          |            | 581 |

<210> 61  
 <211> 681  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(681)  
 <223> n = A,T,C or G

|            |             |             |             |            |            |     |
|------------|-------------|-------------|-------------|------------|------------|-----|
| acgagcccaa | gccctgttcc  | atcagccaat  | tgcaaacctg  | ctccttggtc | cacttggcaa | 60  |
| atggcatatc | caagtcaactg | ttagactgtc  | ccaagtctcg  | agaccaacct | aatcggggcc | 120 |
| ccgcggttgc | ccttgteccct | cctcttttga  | attcaggctc  | agacatgtca | tctgggttga | 180 |
| atgtagttga | ttgactttctc | ctaagttttc  | caaagagttt  | catgatacct | ctggatttct | 240 |
| ttttggaatc | tggagatgga  | ggcggatatct | ggaagggaact | gttcctctgt | gaatcttttg | 300 |
| gccgagaaag | aagcaccagc  | cagatctagg  | tgctctgctg  | netctttttc | tgnttcaact | 360 |
| aaatttggtg | cacttgctgg  | tctcttggtg  | cttttgattt  | taaaaaagcc | ccngccaaag | 420 |
| ggaanactga | cttttcgagt  | gccnaaagg   | ttgcatccat  | ngangtgtcc | tgcccttggg | 480 |
| gcctgggaag | naaggctcaa  | atgggctggt  | ttctggccga  | ncttttgccc | tttganncc  | 540 |
| ttctggaaaa | gtnccnttt   | tccattaaa   | cgntntttct  | tnaaaatggc | ccagctggtt | 600 |
| ggacntttgg | naacttgaag  | ttnaaagntt  | ttcccccant  | tggnnttaa  | cagggggncc | 660 |
| cagggatatt | ttnccttant  | t           |             |            |            | 681 |

<210> 62  
 <211> 569  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(569)  
 <223> n = A,T,C or G

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| actgggatta  | caggcgtgac | ccaccacacc | cgccccctaa | ccactcttga | aagtccttcc | 60  |
| acatctgtta  | gttctttaag | gatgaaggct | gagaattaac | cttgttccct | attccccgaa | 120 |
| gtgtctgacc  | cagtgtcgaa | tgtgtggctg | gagcttggtg | aattctttcc | aaataaagga | 180 |
| attcccacaa  | cagccccacg | aaggacttga | ggcaaggatt | aggatcccc  | cttacagaag | 240 |
| aggaggacaa  | ggcccagaga | agatccccca | gactcagcca | gggcacgagg | ggtcgggtga | 300 |
| gttttgagat  | cgatagagcc | ttcttttact | ctcctgtgac | gacatgacag | tagataaaaa | 360 |
| gcataatcct  | tcatgactc  | tcatgggctc | tggcaccatg | tttagagtcg | ggctaggggt | 420 |
| cttttgcaatc | tggtaaccta | tggcttaaac | ttatacccaa | acctctcttc | ctgcttcttg | 480 |
| netgtgcaca  | tctctttcca | tcagaccatc | catagctcaa | gctcaacagc | tttnccagct | 540 |
| agtgnctctn  | ctccttttnc | atggagtg   |            |            |            | 569 |

<210> 63  
 <211> 650  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(650)  
 <223> n = A,T,C or G

```

<400> 63
gaggtacaat ggaggtatct gtgggaagga aaatgcaggt aaagatgaag aggaaaatct      60
gccttggttaa agccagctc cccaaagtat tagacacatg aatttgcttc tgtgctgagg      120
ccatctgtgg ccgtcaggct agctgttttc tggctgatac tttttgggaa tgttattggt      180
gctgagaaaag atagttccat gtcagagcta tcaacagaat gtggccatct ggacaacccat      240
gtataaaacca acttattgct tcttgaatgc cacctacaaa catgactacc tgtcctttct      300
tgtttgaagg ggcactaaca atacttggga agatggaaaag tgaactggac attaaggcag      360
agatgaagaa ttctgccttg ctctctgcac tccatggaaa aaggaggagg acactanctg      420
ggaaaagctg ttgaaccttg aactatggat ggnetgatgg aaaaaggatg tcncngacca      480
naacnngaaa aaaagggttg gtttaagtta ancctnaggt acccgaatgc aagaacctac      540
cccactttaa catgggccca anccttaaaa gcctnaagnt atgnctttat tcnggattnt      600
ccccgaaang naaaagnntt ttgantnaaa attncccncc ccnggcggg      650

```

<210> 64  
 <211> 676  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(676)  
 <223> n = A,T,C or G

```

<400> 64
cgaggtgcc aattgggagga accttctttg gatgagggtg ctgggtttag caatatcaag      60
gtgtggctcc agataattca atcatcta atagattcca gttatgctaa tctgttttaa      120
aattccgttt gtgtaaattc ttttacaagg cctcaacccc aatttcagg gagggttcag      180
agcctcaggt tgagttgatg accaacagcc tatagtttaa cccatcatgc ctctagagtg      240
aggtctccaa aaaaatccaa aaggaatagc ttagagagagc ttctggataa cactaactgg      300
aaggtagagc gccactccaa acaagacggg accaaaaatt tttctgaatt tttcgcaata      360
tctgcaacaa taaaatggga aatgtaatgg ccctcctacg tgttgggagc tctttcagcc      420
aatggatgcn actattacna ggantggtgg aaacctggat tataaccagc tgctgaaaaa      480
gccagtaaac aacgtaaggc ttctattggt aatantattg gaaggacagt cntgtgggac      540
ttcggccctt tgnaactaat ggtatgcccc gnanataacc gtnccttgg atttcaagac      600
cccctttggt tggananaatt tttgggcatt tgcttgctgg cttaattacc attggaatca      660
aatcttttcc ggcenn

```

<210> 65  
 <211> 660  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(660)  
 <223> n = A,T,C or G

<400> 65  
 acgtggcctg aagagatgtt attcttttaa atggtctcgg ctgtgggcca ggtgccccca 60  
 tacaacaact ctccgggctat catggcagtt accgtggcct tggcaggatt cggagctgcc 120  
 ctggtaaaat ctttggtgtg atgtccttga ctaactccta cagcctgggc gacctcgggc 180  
 accatgggaa gaattccagc aggcagctgc tgatgactta gataaggcat cctgaactca 240  
 tectctttat tactagtccc attttcatcc ccagagccag gttcaaaaaa gggttactttt 300  
 cttccatccc ctggttttctt tatgggtgtc ttctcctctg acttgagtgc cggtttggtg 360  
 gctgcgcctg cgggactttg aaaccagga tcttcaacat gntctcgtg cattgccttg 420  
 gccaccttct tgtgggtgcc gtccctntgc aatgggggtt ctaaccttna cctgnatnac 480  
 aaacttcctt ncgcncggga aggctngctt cntgaagaac gtgtaccttg ggcgngaaca 540  
 cgcttanggc gaantccacn cactggnggg ccgtactann ggaatccaac ttcggacca 600  
 cntggggnaa catggcaaac tggttcctng ggnaaatgta tccgttaca tcccnkana 660

<210> 66  
 <211> 678  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(678)  
 <223> n = A,T,C or G

<400> 66  
 actcaaatct catcagcagc gtctacatcg taaaaaaca ttagagaatg aaatgatgcg 60  
 ggttggaata tctcaagatg cccaggatca aatgagaaag atgctttgcc aaaaagaatc 120  
 taattacatc cgtcttaaaa gggctaaaaat ggacaagtct atgtttgtga agataaagac 180  
 actaggaata ggagcatttg gtgaagtctg tctagcaaga aaagtagata ctaaggcttt 240  
 gtatgcaaca aaaactcttc gaaagaaaga tgttcttctt cgaaatcaag tcgctcatgt 300  
 taaggctgag agagatatcc tggctgaagc tgacaatgaa tgggtagtgc gtctatatta 360  
 ttcattccaa gataagggcc atttatcctt gtaatggcta cattcctngg ggtgatatga 420  
 agagcccatt aattanaatg ggcatctttt ccagaaaagg tngcaccaat ctaccttagc 480  
 cagaacttac ctgngccngt tgaaagtggc ccttaaaatg gggtttaatt cttagagatt 540  
 tttaacctgg ataataattg antggaccgn gaagggcctt attaaaatgg cttgctttgg 600  
 ccttngactg cttnanatgg ccccccaatc taagtnctg ggccggaacc ccttangggc 660  
 naattcagcn cactggggg 678

<210> 67  
 <211> 695  
 <212> DNA  
 <213> Homo sapiens

<400> 67  
 ggtactatgt gtgaagaaat ggagaaaagg aaaaatcagt gtagaaaaat aaaaaagca 60  
 agagtgaagt tgggtgcctac agttcacagc atgtgataag gactgagcat ttattctatt 120  
 atttggtcat aaaaatgcag gctgtaaggc cctacacaca ccagcttatc gcagacttgg 180  
 ctctgagctt tctgcagcc aatacaaca gggagacaca acagagaatt gccaatgctg 240  
 gaagctagat gtctaattgt gatcctgctt gtgactaaag tctgaatctg ggctaagtca 300



|            |             |            |             |            |             |     |
|------------|-------------|------------|-------------|------------|-------------|-----|
| cacatgtcct | gacactctgg  | aagctctgtc | tgggtgggtct | gggaacgggg | gagaagtga   | 360 |
| agaggaagta | gcaaggaaa   | atgcagaggc | ggagcctggg  | agctagggca | gtgccagggtg | 420 |
| ggactgacat | ggcaccagga  | gtccctcctg | cagggatctg  | tcctgattca | ggtcagctgc  | 480 |
| atcctgcac  | tctagggga   | gagaccacat | ctgcaactca  | ccaggactgt | tactgtttt   | 540 |
| tccaccccc  | caatctcact  | cccactcaat | cccttggatg  | tgggaaggag | aaatacttaa  | 600 |
| gctgaatggt | gctgtggccc  | atctgatgac | aggttaccag  | tgtgggggat | gacccccaat  | 660 |
| gactgcaaga | agtgggtccag | atgtcagaag | tgggt       |            |             | 695 |

<210> 68  
 <211> 579  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(579)  
 <223> n = A,T,C or G

|            |             |            |            |             |            |     |
|------------|-------------|------------|------------|-------------|------------|-----|
| <400> 68   |             |            |            |             |            |     |
| ggtaccaagg | aagacattca  | gagtgtgatg | actgagatcc | gcagggtccct | tggagaggta | 60  |
| tgttttactt | tagtaaatgt  | tagtttatat | ggtaattttt | cctttaggaa  | aatctgactt | 120 |
| tttatagtga | tttgcttaca  | ttatttacac | ttctgagtta | gattttgttt  | gaacaaaatg | 180 |
| ttctgtgttt | attaaaaaaa  | aaaaaaaaaa | aagaagcagt | agcttgtaaa  | attctgcttt | 240 |
| agcctgtatt | ctgaagggaag | aatgccttag | agtaagtctg | acttcagaat  | atctatgcag | 300 |
| taaaactgac | agtattcttc  | atcctaacaa | ccttatggta | gaatagaaa   | aacagtggac | 360 |
| taattatcag | gagacctgac  | aattagttct | agtcattggt | gtgtcgacag  | ttagctggag | 420 |
| gaccttgaat | ataagttcct  | caacctaaat | tgacatcagt | gnttttcacc  | tataaaataa | 480 |
| attaaaaatg | gtaatgatta  | aatactctta | aggctcttat | attangnaat  | ggactgggat | 540 |
| tgagtaataa | atacctaata  | gcccttcagt | taattnaaa  |             |            | 579 |

<210> 69  
 <211> 661  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(661)  
 <223> n = A,T,C or G

|            |            |             |             |            |             |     |
|------------|------------|-------------|-------------|------------|-------------|-----|
| <400> 69   |            |             |             |            |             |     |
| cgaggtaaaa | gctttttttt | tttttttttt  | tttttttcag  | aatgctaaat | tctatttttg  | 60  |
| tagagcagag | actccattaa | aaactcccaa  | atgacaaaact | agaaaaaaa  | tttacaacac  | 120 |
| tgtgtgaaaa | tcanagtgtg | attttcctta  | atatacaaa   | agctcttgca | aaccaacaag  | 180 |
| aaaaacacaa | ataccctaat | ggaaaaaatca | acaaaggaca  | ggaatagtta | gttttcagaa  | 240 |
| aaagaaatat | gaattacca  | taagtgtgaa  | aatgggtgctc | aatgccatca | tgattaaaga  | 300 |
| aatgtaacca | aaacagtggg | gagcccat    | ttcatgtggc  | agattactca | attttagtaa  | 360 |
| tttattctga | aaacaatctc | ccacaagtgt  | atacttccac  | ttgnatgcnc | aagggaagtac | 420 |
| aagctttttt | ttttttttnt | tttttttttt  | ccttggtctgn | agtcatgagc | cttttgaaaa  | 480 |
| aggcctccaa | agtaaatntt | tcagggggaa  | taggggaaagt | ntttttttaa | anaaggcngt  | 540 |
| gattntaant | tccccgggac | tatggtgaaa  | tactntggaa  | aaattnaant | ggcccatggg  | 600 |
| ggccnaaatg | gngctnttta | aaangngngg  | gaaaaaantt  | tttgngggaa | aatncccaag  | 660 |
|            |            |             |             |            |             | 661 |

<210> 70  
 <211> 697  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(697)  
 <223> n = A,T,C or G

```

<400> 70
actgagtttc cagaaagcgc agtgcacttt tagtgcgcca aactggtaat ttgccattta      60
gagaattctt cctaaagtag attatttctg tttaaagcaaa tcactattcc taactgattt      120
ataatttttg taaatctaaa ttttcatgaa ataggcttat aaagcgtgcc acatttctgt      180
tttctcctat ggacaggaag aaaaagtgg atggggacag aaggacagaa caggggtgcgg      240
aaaccatagg ataaaagctg tgggttttcc cccaaaagtt gctcaaaaga ataatatgac      300
ttctgctttt cttctcctct ggggtggcaat tggggaatcc agcagcctgt tgagaggaca      360
gaattggtta agttgtggag aggtgcagtc taattggtaa atctttaaaa gtcttggttg      420
tctaacctgc tggtttttct gctcacagcc cctgcagata tcttctcacc taccttaacg      480
ctggcatgca agnnttttct ctttgcctgag tggcatttng gtttaatttcc atgttnaatt      540
ctaaccttgg ccattgattac naagccctta ctatgggctt gctttgagtt angecctggg      600
gctttaagna atncctanaa ttncctntt ctttattctt aagggttgg anatnccaaa      660
atgatnganc ttgacnttgg tttgggaggg naactna                                697
  
```

<210> 71  
 <211> 705  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(705)  
 <223> n = A,T,C or G

```

<400> 71
accacacagt caatgatgtc agccactccg agcttttaggg tcctgggagt ggcagtaggt      60
gatagctctg tctctccaaa aagcaaaagg atcctgcttg gggacacccc aagggtgggtg      120
gccatgtggt ccaccacact ctgcaggggc tccgacatcc tgaggggcaa tctgaccagg      180
tcagcccggc aacggatttt gagtggggaag aggccttccta gatgacgggt gatgaagccc      240
aatcttccag gtggagagga cagcatgacc aaaggaagga cgtggaggtg acatggcatg      300
tgcagggaac tacactgaac actgcagaga gccactggca ggaccaggc cagggagcac      360
ctacttggtc atactgggga gcttggcctt tctcttggtg gtctggagat cccaaaagaa      420
tttatgccaa aaagttagag gtggatagat tttaaatact ggggttttta aatacccgan      480
ggattttaaa tactcttgat gggttaatct aaatttangg ggaacccaaa ctggaggcnn      540
ntnaaaaggn cccttataag tggaaaaant gaaaagagnt tgnattangg cnnncnaaat      600
ctntgggtgc nttttaagtn ccnttngatt tccannaaa attnaatcng ggggatttta      660
atcccggaat tgggggaana aannnnggaa ggggttnccaa ttttg                                705
  
```

<210> 72  
 <211> 683  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(683)  
 <223> n = A,T,C or G

<400> 72  
 actgaatgaa gtaaccgaag acaacttaat agacctgggg ccaggggtctc cagcccgtgg 60  
 tgagcccaat ggtggggaac acagcgcccc catcttcctt ctctcccag cttgcaggct 120  
 tagacttggg gacagagagc gtcagtggca ccctcagttc actccagcaa tgtaatcccc 180  
 gtgacggctt tgacatgttt gcccagacga gaggaaactc cttggctgag cagcgcaaga 240  
 cggtaacctt tgaggatcct caggctgtcg gaggacttgc ttctgcacta gacaatcgaa 300  
 aacagagttc agaaggggta ggtctttaac cctgtttttc tgctggagt cttctggagg 360  
 gaaagtcagg tggtttggca aaactggctg ggtaattcag cagaaactgg cttgcacagg 420  
 gggcanggac accctggggg gaaaaaccna cgggggacac cccgtggaac ccaagtantg 480  
 ccttatttga gtcttnacct naccctgtga gataaggccc ccatgagctt tccaatccac 540  
 ccaagagaaa cnagtncagc nggtgggana cagcttgnac nccanaagc nnacngaagc 600  
 cgggttccaa tctnggataa gggcntttcc aaancctggt ggtcttacca aaggggccaa 660  
 ttttcaggcc aantttntg gnn 683

<210> 73  
 <211> 566  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(566)  
 <223> n = A,T,C or G

<400> 73  
 acagtgtgga aatttcaaca tgtatatata tccgtgaaac cattatccca atcaacatca 60  
 tgaattttaac catcacccca aaaagtcttc tcatgatctt ttgtaatacc ttctcttttc 120  
 ctgtcccgtc cccacacaac gtctgttttt tgttctatta gtttgcatth tctagagttt 180  
 tatataaatg aaatcaatac attatacctt ttttgtctag cttctttcac tcagcataat 240  
 taatgtgaga gctgtccatg ttgtctaata tattagtagt ccattttctat ttttgtgggg 300  
 ttgggagagg gctgggtagt attccattaa gaggatacac tacagtttgt ttattcattt 360  
 tctattcat ggatgttttg gttgtttctg gtttgaggcc tataatgtca cttgaagata 420  
 gattgtgatg ttaaagggtc atactgtaaa ccctaaaata gtcactaaaa taacnaaaac 480  
 gaaaagggtat tggtataaag ccaacaaagg aaataaatca aatcataaaa tacnaaagaa 540  
 agcngaaaaa gaccaagggc acctgg 566

<210> 74  
 <211> 690  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(690)  
 <223> n = A,T,C or G

<400> 74

|             |            |             |            |             |            |     |
|-------------|------------|-------------|------------|-------------|------------|-----|
| cgagggtgtac | aagctttttt | tttttttttt  | tttttttttt | ggctccctgt  | agcctcgact | 60  |
| tcccagcaat  | cctcctgctt | cgccctcacag | caggcacacg | ccaccatgcc  | cagctaattt | 120 |
| ttgtattttt  | tgtagagaca | gggttttgcc  | atgttgccct | ggctgggtctc | aaactcctgg | 180 |
| gctcaagcaa  | cccatctgcc | ttggccaacc  | aaagtgcctg | gattctaggt  | gtgaaccact | 240 |
| gtgcccagcc  | aatctctgtc | ttttaaatga  | gggtgtctgc | atcgtttggt  | tcacatggnt | 300 |
| atttaggact  | aactctatca | ttctgctgct  | cagtaatttt | gtttgccagg  | ctgcctttgg | 360 |
| tctttttctg  | ctttcttttg | nattttatga  | tttgatttta | tttcctttgn  | tggtttatta | 420 |
| acaataactt  | ttcgttttgg | taatttaagn  | gactatttta | ggggttacag  | tatgcaccnt | 480 |
| taacatcaca  | atctatcttc | aagtgcacatt | atangnctna | aaccngaaac  | cacccaaaca | 540 |
| tentgaatng  | gaaaatgaat | aaccaactnn  | annggaaanc | cttaaaggaa  | actaccaacc | 600 |
| ctggccaanc  | cccaaaatng | aaaggcctct  | aatccnttna | cacntggggc  | ggtttncata | 660 |
| atntctnggn  | gaaaaacttt | cccaaaagg   |            |             |            | 690 |

&lt;210&gt; 75

&lt;211&gt; 447

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 75

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggtacaaact | gtgttattca | catctggccc | ccaaggtatg | taagggaata | ctttaataa  | 60  |
| atctttaagc | tcacaggtg  | acaaagcaca | gtctctatcc | aatcatgct  | tgtcaaagg  | 120 |
| gctttggaga | aataaatatg | catgatgatt | taattcagta | gtgcaatcag | gaggtatttt | 180 |
| cagcaggggg | aacaaatatt | caggtgtcaa | atccaggta  | tcatacata  | caaatcgctg | 240 |
| aagcacagtc | caagtagttt | cgtgtctccc | tctctggata | aaaagtgtgt | gtaaaaagag | 300 |
| aaaacctttc | agggtcaacc | cactgtcagc | cacaccatca | cttatatgtt | ttctgactac | 360 |
| attcttgaca | tcctccagag | cttgaggagc | taatggagtg | ttgaaacaaa | tcctctgaaa | 420 |
| gaagttgagt | tcagcatcat | tgagagt    |            |            |            | 447 |

&lt;210&gt; 76

&lt;211&gt; 674

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(674)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 76

|            |             |             |             |            |             |     |
|------------|-------------|-------------|-------------|------------|-------------|-----|
| actgttaggt | aattttgata  | ttttacttag  | ttggtttctt  | ttgttttttg | agacagggtc  | 60  |
| ttgctctgta | gcccaggctg  | gactgcactg  | gaactcctgg  | gctcaagcaa | tcctcctgcc  | 120 |
| tcggcctcca | agtagctggg  | actactacag  | gcactcacca  | ccattcctgg | ctaattttta  | 180 |
| gttttagttt | gtagaaagta  | agactaaaata | cactggatca  | ttcagaatgt | cagaaagtaa  | 240 |
| tgttttcttc | agttttattt  | ttcttaatag  | cacacacccat | gttattgggt | tgtgttttgt  | 300 |
| tagtgcttgt | aactagagtg  | caacttaatt  | aacaatttgc  | tcctcctcat | gaggttcatt  | 360 |
| gcagtataga | cttaaatctt  | agtcccatgt  | ttgncattta  | ttagctgtgt | gctaagactt  | 420 |
| ggttttccta | tcagcagaat  | tgctatgtat  | atctaagggt  | atgttaaggg | ttcaaaccag  | 480 |
| gaaccctctt | tgtaagtga   | aggtgggggg  | gagctattgg  | ttaaattttt | ggtcagaaat  | 540 |
| tggcatacct | aattttaatta | ctaccttact  | aaangnatca  | attaccctca | tctatttcan  | 600 |
| nggtttaatg | ggnccaagt   | gaatattcct  | ttacttaaaa  | gccagtttta | ctggggaaatc | 660 |
| ncttancaag | gntt        |             |             |            |             | 674 |

&lt;210&gt; 77

<211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 77  
 acatgggtctt ttgttcccta aaagactgca tcacacctct gattgggagg ccaactgtca 60  
 ttttaactgag tgtttgagtg tctaaaacca agttcagcat ttgtctatct agcaagcttc 120  
 cctttccaac ttgttactc ctctcaattt catctgcaga tctcctggtt caataaggct 180  
 caaaaactgg ctgttccctt gcattcctct ctcttctccc aggcactctt catccttttt 240  
 tctctcaggc tcacccttac aatccaacac ctccaatgg cctctcctag tccagtcctat 300  
 cctgacacca agtaactggc ccgctttgga agtcctgaca ctttcagtcct ctctttcctg 360  
 ttctttccac ttctcctggc cccaggagg atcctggatg gtcgtcacag ctgacaaatg 420  
 atgagcagaa tgcctgtac c 441

<210> 78  
 <211> 623  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (623)  
 <223> n = A,T,C or G

<400> 78  
 ggtacacgat taacttaaca caaaaacccg aacttcaaaa tgaagggtgtg tggaggaaag 60  
 gtgctgctgg gtctccctac aactgttcat ttctttgtgg ggcaggggggt agttcctgaa 120  
 tggctgtggg ccaatgacta atgtaaaaca aaaacagaaa caaaaaaac aaggaaactgt 180  
 catttccacg aaagcacagc ggcagtgtat ctagcaggcc tcagggccct gggcctggag 240  
 aggctacatg agggggagcc tcagtcacag gatcaacctg gggcccgaag gagcaggggt 300  
 ccctgcctct ccctctgcaa cagatcatcc catccaacac aacccccaaa atgttgatga 360  
 tgacgcacat ggtcaaccct caagaccttt aagacaaaac agagcacata ggaaaaaaa 420  
 aacnaaacgc ccaatttctg ctgtgtcaat ggtagggcac cattttaaaa agtctgctaa 480  
 acagtctgct ttacttggan ggacgtatgc aaacataatn cttgttagtg aagaaccatg 540  
 acgcctctac ttactctaag ttagtngaca ntaaaacttct gctcccttca agttaaagnc 600  
 nttcnaactg ggtggggaat act 623

<210> 79  
 <211> 462  
 <212> DNA  
 <213> Homo sapiens

<400> 79  
 accagttaaa aatgtatttta ccaataagtg ataacagcaa caatagctaa ctgacaattg 60  
 attaaagaca gtatacaggg atccttttgt ggttcataag catgatgatt agattttcat 120  
 gctattgggt gagatatgcc ttctcagac ttgtttacag cataggcaca ttacaacctg 180  
 tctgatagga gaaagaaagt aaagatggta tacaggccag gtgcggtggc tcacgcctgt 240  
 aatcccagca ctgtgggagg ctgaggtggg tggattgctt taggcctgga gttcaagacc 300  
 agcctggccc acatggcaaa accccatctc tactaaaata caaaaaaatg gttgtgggtg 360  
 cacacacctg tatttccgt tgcttgggag gctaaggcac aagaatctct tgaaccagga 420  
 ggtggagggt gcagtggacc aatatcgac cactgtacct cg 462

<210> 80

<211> 640  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(640)  
 <223> n = A,T,C or G

<400> 80  
 acccggttgct gctgccatgt gtgtgcttaa aacaggggttc cttttttagtag catcagaatt 60  
 tggaaacctat tacttatatc aaattgcaca tcttgagagat gatgatgaag aacctgagtt 120  
 ttcacagacc atgcctctgg aagaaggaga cacattcttt tttcagccaa gaccacttaa 180  
 aaaccttggtg ctgggtgatg agttggacag cctctctccc attctgtttt gccagatagc 240  
 tgatctggcc aatgaagata ctccacagtt gtatgtggcc tgtggtaggg gaccccgatc 300  
 atctctgaga gtcctaagac atggacttga ggtgtcagaa aatggctggg tctgagctac 360  
 ctggtaaccc caacgctgtc tggacagtgc gtnacacatt gaaaaatgaa tttgatgcct 420  
 acatcattgn gtctttcgtg aatgccacct aatgggtggnc cattggagaa actgtnaaaa 480  
 aagtgactga ctctggggtg ctngggancca cccngaactt ngcctgntnc ttattaggag 540  
 atgatncntg gngcaaggct ttccaanngn attnggacaa tccaacctac caganaagtc 600  
 atgngtgtaa naaccttggg aagaaacaat ggtgaagggg 640

<210> 81  
 <211> 643  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(643)  
 <223> n = A,T,C or G

<400> 81  
 actgccattc cttaaattca tttagattac agtgtgtaat cataactttt gatccatcag 60  
 ctccctttgt caaacactgg tcatactgca tgagttgatt tgcttcattg attctgaaaa 120  
 gctgattccc tcccatcctg tggcaggggtc ctatgtcaac aaagcctcca tttgtttttc 180  
 ccatgctatc aatgcagtaa gcagtttcga agcctctgat ttctccccag tcaacatttt 240  
 tgggtggcaa agggtagtgt gaggtgatat cataagctat ttcttccatg aaccacttaa 300  
 aacttttgca gttgtgatct tctcgaaatt ttttcaagct ccgatatac cccatatggg 360  
 aatgcctgag attcaggacg actagcatag aagtagtctt tatattcatc caccaaacct 420  
 tcacaactct aacataattc ttcagagttg gagaagaccc aacataaatg ggcngaggat 480  
 tncctggcag ccctcaagac ggtagatatg tccacacgag aaccanggac caaataataa 540  
 tttgncacca cacttggcat atcttggatg agatctcaaa gtttcaccac cccaaatttg 600  
 gaaacctgga tcttgagacc caattcaaag aaaacttttg ttn 643

<210> 82  
 <211> 642  
 <212> DNA  
 <213> Homo sapiens

<400> 82  
 accaagtcac tattttctgac agcatttgtt attagaagga aacttgatt tagtcaaaaag 60  
 ataggagttt gaatcccgat gccacctctt accaactggg taaccttggg taggaattgc 120

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| ataaacttctc | tgagcctggt | ctcaaattgc | ctacctcata | aggttgctgt | gaagaataaa | 180 |
| tgcatgatgg  | tttctgaagc | acttatcccc | tgccgttaga | tctcctgagc | tgcatctctg | 240 |
| tttaacacgg  | gccccaggt  | tgtcagccaa | gcagctcaaa | tatatgaagt | ctaaaatgaa | 300 |
| agtaatgacc  | ctttatgatc | tctttctatt | gttctcaatc | agttcctttt | tttttagtta | 360 |
| cctaattctg  | ctcacgggtg | gtccctggtg | ttcagattcc | agatgtcagt | gattgtggac | 420 |
| tcttcctttt  | tcttaacaga | ttacataata | cctgcagctg | ccaagtcttt | gtctgtgttt | 480 |
| tcattatttc  | atcatttaca | tcagatcttt | cttttctctt | cccggtgaca | caccctagtt | 540 |
| caggcctcat  | tcaagtcata | cccagagtat | tgtatcagcc | tcctaattga | tctttactcc | 600 |
| ttcactttgc  | aacctattct | gtatgccttg | tgaagtacct | cg         |            | 642 |

<210> 83  
 <211> 584  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (584)  
 <223> n = A,T,C or G

|            |            |            |            |             |             |     |
|------------|------------|------------|------------|-------------|-------------|-----|
| <400> 83   |            |            |            |             |             |     |
| ggtacagtag | agtctgagaa | ctgggtcaac | actgaagcat | tcacaccttc  | aggatatgaa  | 60  |
| gcagagcttc | ctgtcacatc | tgcagatggt | gtgctgttgg | tcaagagcca  | gtgtgcagtg  | 120 |
| atctctccac | ctctcatggg | tgcgactgac | ctagacacag | tctcagctctg | agacatggga  | 180 |
| cttccatttt | gcacctcaga | gctgctggca | agctgatgtt | ctccaaaggt  | tggggaatca  | 240 |
| ttttgccaac | gcaaagacgt | aagtccaaat | tcattttctg | tggatggttc  | aatgaattcc  | 300 |
| tcattccctg | gattcccagt | tactctactg | nttcttctcg | attccactgc  | agaggggtgaa | 360 |
| agaaggactg | aggatgaagt | ccgtagcaat | tctggagtcc | ttggggaagc  | cttctgtctt  | 420 |
| gctcacaggt | tccagactga | cccgtaaaag | atccgcagcg | ttctcggggc  | accttcagtg  | 480 |
| aacacggggg | caacatgcat | tggctttgtt | gactgactna | ggagctttgg  | aggcccagtn  | 540 |
| gganttgtaa | agcttctctg | nacctgcccc | gggcggccnc | ccgg        |             | 584 |

<210> 84  
 <211> 558  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 84   |            |            |            |            |            |     |
| ggtaaagaaa | gaaaaaaaaa | aaaggcctgg | atactgcttt | tgctgtctct | gttatgagat | 60  |
| ggaagactta | catggtttgt | gataaaaggg | gaccatgaga | atgaattggc | ttggcttact | 120 |
| ttccccctga | aatcctctct | cctgcagact | gtcttgaaga | cctggtgact | ggtaaataaa | 180 |
| gccttgcatg | gaggctgcac | agcaggggca | agaggcccat | ccccagcat  | ctcactgagg | 240 |
| acagcttcag | gctgccttcc | tctgaacgtg | gtccacacct | tctctcctc  | cacagagagg | 300 |
| gtgccgccag | aatccccctg | cgttttctgt | gtctgcaatg | gggggcagca | cagggatcaa | 360 |
| agccatctaa | agagtttcca | gagaaagtat | taattcagaa | caagccaaag | accctgagcc | 420 |
| tcaccacaaa | caggcctttt | ggagtgtgaa | tttgagttga | agatacaaga | tcggagaatg | 480 |
| atcttctggg | cttaactaat | cctcgtcttc | atgtttgatc | tttaagaagt | catcacccat | 540 |
| cgatttcagt | tttgctgtg  |            |            |            |            | 558 |

<210> 85  
 <211> 499  
 <212> DNA  
 <213> Homo sapiens

```

<400> 85
acaaaacat cgccatcaaa aaaacgctgt tctgacaaca ctgaagtaga agtttctaac      60
ttggaaaata aacaaccagt tgagtcgaca tctgcaaaat cttgttctcc aagtcctgtg      120
tctcctcagg tgcagccaca agcagcagat accaccagtg attctgttgc tgtcccggca      180
tcaactgctgg gcatgaggag agggctgaac tcaagattgg aagcaactgc agcctcctca      240
gttaaaacac gtatgcaaaa acttgcagag caacggcgcc gttgggataa tgatgatatg      300
acagatgaca ttcctgaaag ctcaactctt tcaccaatgc catcagagga aaaggctgct      360
tccccccca aacctctgct ttcaaatgcc ttggcaactt cagttggcag aagggggcgt      420
ctggcccaat cttggctgca actatctgct cctgggaaaa tgatgtaaat cactcatttg      480
caaaacaaaa cagtgtacc                                     499

```

```

<210> 86
<211> 146
<212> DNA
<213> Homo sapiens

```

```

<400> 86
acaggatact taaaatggaa taactttttg gttgcaaaac agagacatgg ttctataatg      60
cttcatgtcc ctccaagatt tgagatcaat ttagggattg tgaaattttt tttttcaaat      120
ttcatacaat catatttccc agtacc                                     146

```

```

<210> 87
<211> 572
<212> DNA
<213> Homo sapiens

```

```

<400> 87
atccctagca ttttaaaatt cagttgttac agggatccca cataatattt tgtcatttat      60
atgagggtgg atgagggctg aaatttcctc ttgggtcttg gaacagattc atgggcacac      120
attttaaagc tatttggctc cagttctgca gattaagaaa ctccaattta ttgattcccc      180
agggtaatga gaaaatgcat tgagtgatat ataacatcca ctacattcac aggaaatgct      240
gtcctggatc aaaaactgac ctggtcattg aattatgttg gagaactcat aaaaattcca      300
tgagagaaag gatattcaag ttggctcatg aattctgagt aaaagttaa aagcaaagga      360
gaggatagcc ttacagagat aacaatagga acaaagtcac agacttgtgg aaatggaaga      420
ccgggctaga aattaggaca gttcatattc aagcaagcag ggttgggttt gtgaacaaat      480
accttgaagc tttggatgcc ttggagccct tgacagtttt tgagaatgta tcaaaacaat      540
taaatagtct atttgggaag gagagccctg gt                                     572

```

```

<210> 88
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

```

```

<400> 88
ggtaccttat ctccagaagc agactgtttg gggacaggcg cagtgcctgt ggagcggcac      60
ttgacatcag cgtctcttcc cacatggagt gaggagcctg gccttgacaa ccctgccttt      120
gaggagagcg ctggagctga caccacacaa cagccactta gtttaccaga aggagaaatc      180

```



|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| accacgattg | aaattcatcg | gtccaatcct | tacattcagt | taggaatcag | cattgtgggt | 240 |
| ggcaacgaaa | cacctttgat | taacattgtc | atccaggagg | tctatcggga | tggggtcatt | 300 |
| gccagagacg | ggagacttct | tgctggagac | cagattcttc | aggccaacaa | ctacaatatc | 360 |
| agcaatgtgt | cccataacta | tgcccagagc | gncctttccc | agccctgcaa | cacactgnat | 420 |
| cttactgggc | tttcgagaga | agcgcctttt | ggcaaccgga | ngcacacaan | cattctgaaa | 480 |
| ggnaactctc | cccnagaaaa | aaattttncn | ng         |            |            | 512 |

&lt;210&gt; 89

&lt;211&gt; 573

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (573)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 89

|            |             |             |            |            |            |     |
|------------|-------------|-------------|------------|------------|------------|-----|
| actcggctgc | tctccgcgt   | tctgagtcgc  | ctcctcaaca | atctggacct | caagtgcctt | 60  |
| aagggcaaca | gcaggggacg  | cggcactggc  | tttcagcatt | gcaactgcct | cactgtgact | 120 |
| taaattgggc | aaatcaatgc  | cgttgatatt  | tagcaacaca | tcacctctct | ttattctgcc | 180 |
| atctcgtgca | aggcagccat  | gggggtggcac | actggtcaca | aagatgggca | gctcaccact | 240 |
| cttacttccc | ctgccccccag | caacggtcac  | gccaagggat | tcattgtggt | ccttctttac | 300 |
| agtaatgtgt | ttttcttggc  | atgtaacaca  | ctgagtaaga | tccttatgtg | agcttgggtc | 360 |
| gctataatac | gggtggtggtg | tgtggtgctg  | gctgctgctg | ctatgatttc | ctgcttctct | 420 |
| aatggtgtta | ccaggctggg  | gtttccctgg  | tctagcaatt | ggtaaattca | ctctntctcc | 480 |
| actggcctga | ataatctggg  | cagcaagctc  | cggaggttcc | atacttcagg | togtgcccat | 540 |
| tgatggccac | actcggcatt  | gctgcttanc  | ctg        |            |            | 573 |

&lt;210&gt; 90

&lt;211&gt; 658

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (658)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 90

|            |             |            |            |            |             |     |
|------------|-------------|------------|------------|------------|-------------|-----|
| ggtacctttt | aaccccacct  | cctccaatca | tgggaggagt | tggtcgggat | ctcagcatgt  | 60  |
| ctgaagagga | ccagatgatg  | agagcaattg | ctatgtctct | gggacaggat | attccaatgg  | 120 |
| atcaaagggc | agagtccact  | gaggaagttg | cttgccggaa | ggaggaagag | gaacggaaaag | 180 |
| ctcgggaaaa | gcaggaggag  | gaagaggcta | aatgtctaga | gaagttccag | gatgctgacc  | 240 |
| cgttggaaac | agatgagctc  | cacactttca | cagatactat | gttgccaggc | tgcttccacc  | 300 |
| ttcttgatga | gctgccagac  | acagtatacc | cgtgtgtgtg | acctgatcat | gacagcaatc  | 360 |
| aaacgtaatg | gagcagatta  | tcgtgacatg | attctgaagc | cagtagtcaa | tcagggtgtg  | 420 |
| gaagcttgct | tgatgtattg  | gatcaaaagc | ttnttctttc | cctggacaac | cangtggaca  | 480 |
| caaaaaaccg | tgggtcanaaa | tgggttaaag | tcanatnggg | ccccacttgg | ccccagggcc  | 540 |
| ttccaatttn | ggctanctta  | aaaatccttg | gcttttaacc | nctacttttt | tgnaggggaat | 600 |
| ttgaagctta | ccttttgggc  | ttgggtgggg | ttgnaatcna | agnnggattc | cttttngg    | 658 |

&lt;210&gt; 91

<211> 570  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(570)  
 <223> n = A,T,C or G

<400> 91  
 acctctgact acaccttcat gttgggcccct gaccaacaga ccctcaggtt gtgagttttg 60  
 gcttcggggga gaaaattctt cctgcttgat gtaggggcaaa gtagctgatt tggcagattc 120  
 ctggtgccgt ggcagtgcaa gagagataga tcccactgac ggcttgggtg tttcttgagt 180  
 gtaggaagcc tgattatgag aagtcaaata agtgcctggt gttccctgtg agatggagcc 240  
 tcccattata aaagatgggt tttctgaagc cactgtgggt ttggatgacg ggatgagagg 300  
 gggccgggtg cctggttggt cgagttgtcg gaagcccga a cgccttcagg gagattagtt 360  
 atcacttgat gtggagcagg ctgaaggact tcccactctc tgtttgact cttggatgtg 420  
 ccacatggac ttgtagaact tctacattcc aaatctatct ggncttggct ctggccnttg 480  
 ttctcncagg agtgctgact catgcnttgn tttaatgngt cgctggtaga naacatancc 540  
 gttactg999g tccaatggga tgtacatngg 570

<210> 92  
 <211> 603  
 <212> DNA  
 <213> Homo sapiens

<400> 92  
 ggtacacatg tttttattag attcagtcct cacaacgaat ccattcaaag atacaactca 60  
 cagtggtgaa atgactggcc agaggtttagc caggtagcac gtggcagagg cagggatatacc 120  
 aagagtcctt tccatcatat cacactgact aagttttcct gggttctgtc gaaaatatta 180  
 atgggttcatt gggcataatg gtttctagtt cttttctatt atttcatcca aatgaatttt 240  
 ccttctcatt tactatgaaa gattttgtta gccttcacat cttgccctac tgcttataaa 300  
 ctaaggaaaag gcaggttcct ccacacagaa cagctctctc ctctatcact ttctatatga 360  
 aactttcaat aagacatata gtgtttatct caagcccacc atagctgagg aggaatcgct 420  
 tgctttcccc tataattccc agtgcccagc attctcacia ctaggagggt cttgagaatc 480  
 tctctattta tacaatatga agtaaaagcc aattttaaact tttaaatggt aacttaattc 540  
 aatgctgaat atcaaaataa tcaactgtta aaaattttaa tgattgtttt gatataattc 600  
 tgt 603

<210> 93  
 <211> 627  
 <212> DNA  
 <213> Homo sapiens

<400> 93  
 ggtacacatg tgtgcccagc attaaaaaaaa gatgacacag atgctgctca caaatgtcgt 60  
 tttgaaagga agaaaatata tataatcata aaacaaacaa caaaataaga taaaatatgg 120  
 ggaaatgccc aaaccaactc catgcccaagg aaagagcaat tggctaattc cttaaattcac 180  
 caatagggtt ctagaagctg gtctttgata aaatttttat tggttttcag taaagggtgga 240  
 aaaacaagga gaattttatt agcttcttta aaaaaaaact aaattttttt caactcaaaa 300  
 agattatccc ttttttaaga tttagcctttc ttatttgaga agccatcaac aaaccctttc 360  
 tctgactgat agtgacatac ataactggtt tgtttatgca attttaatgt catttttttg 420  
 atgtggatag aggcagaaga aaagagaaga catcctgggc ccagattgca acacaaacac 480

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| agaactgacg | tgacagctgt | gggggatatg | ggacagagat | acaggaagga | ggagcctggc | 540 |
| cagggttgca | gagtgcagta | aaatcagact | ggggagctga | gagagccctc | ttggagaggc | 600 |
| tttgaaatgc | aggccgggga | gtctgga    |            |            |            | 627 |

<210> 94  
 <211> 331  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 94   |            |            |            |            |            |     |
| ggtacctatg | ataatcagat | ggagatctgg | ggaggggaga | acgtggaaat | gtccttccgg | 60  |
| gtgtggcagt | gtgggggcca | gctggagatc | atcccctgct | ctgtcgtagg | ccatgtgttc | 120 |
| cggaccaaga | gccccacac  | cttccccaag | ggcactagt  | tcattgctcg | caatcaagt  | 180 |
| cgcttggcag | aggtctggat | ggacagctac | aagaagattt | tctataggag | aaatctgcag | 240 |
| gcagcaaaga | tggcccaaga | gaaatccttc | ggtgacattt | cggaacgact | gcagctgagg | 300 |
| gaacaactgc | actgtcacia | cttttctgg  | t          |            |            | 331 |

<210> 95  
 <211> 752  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (752)  
 <223> n = A,T,C or G

|            |            |            |             |             |            |     |
|------------|------------|------------|-------------|-------------|------------|-----|
| <400> 95   |            |            |             |             |            |     |
| ggtcctgtcc | cgcccccttc | cccaagcgcg | ggcccggcca  | gcggaagccc  | ctgcgcccgc | 60  |
| gccatgtcaa | agaaaaaagg | actgagtgc  | gaagaaaaga  | gaactcgcat  | gatggaaata | 120 |
| ttttctgaaa | caaaagatgt | atttcaatta | aaagacttgg  | agaagattgc  | tcccaaagag | 180 |
| aaaggcatta | ctgctatgtc | agtaaaagaa | gtccttcaaa  | gcttagttga  | tgatggtag  | 240 |
| ggtgactgtg | agaggatcgg | aacttcta   | tattattggg  | cttttccaag  | taaagctctt | 300 |
| catgcaagga | aacataagtt | ggaggttctg | gaatctcagt  | tgtctgaggg  | aagtcaaaag | 360 |
| catgcaagcc | tacagaaaaa | gcatttgaga | aagctnaaaa  | ttggccccgat | gtgaaaccgg | 420 |
| aaagaacnga | acncaggcct | accaaaaaga | agctttcttc  | acnttcgaag  | aaccaaagg  | 480 |
| gaaccagctt | taanggccna | aagttgnaaa | aatttccaaa  | ggactggnga  | atccncnaag | 540 |
| tttgggggaa | aaaaattccc | ttanccttan | ttcccccaatt | aaaaatnttt  | gggggnccaa | 600 |
| aagnaaaaat | ttnggggttt | tgaaanaaaa | tttaaaantg  | ggntngaaac  | ntttttggga | 660 |
| aattccccaa | aanaactttt | gccttccctt | tgnccttaaa  | aantttncca  | tgggggggna | 720 |
| aaanggattt | nnccttgnc  | cngggnggg  | nc          |             |            | 752 |

<210> 96  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 96   |            |            |            |            |            |     |
| tacaacaaac | accgaaaaca | aagtaaaaaa | tgaaacacaa | ctagagaaaa | tgtttaggac | 60  |
| acatgtcagg | aggttaatat | ccctaatact | gaaaaatttc | ttgctagtaa | gccaaacaac | 120 |
| ccaataaaa  | tctaaatgat | acttcgtgag | ttgataaaat | gatttccaac | ttgagttgtc | 180 |
| agacaaaaca | tttgagatag | actaacaaaa | ttattgttta | tctaaaactc | taattgggca | 240 |
| tgttgtattt | ttatttgtgg | aaggtggcaa | cactatttca | gacacttgtt | ctcatttggc | 300 |

cctgcagtaa ctcaatgaga tggggaaaaga gggttaattaa cctctccaac agcagtttcc 360  
tcctctgtca aatacagtgt gagaattaa ttggataata taggt 405

<210> 97  
<211> 499  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(499)  
<223> n = A,T,C or G

<400> 97  
acagaaactt ggtgggaaaaa ggggactgtg gccagagttg ggaccctgga gcagcatcct 60  
ctgcagagaa ggattttgtc tggccagagc ctggagaaaac ctgaaaaaga accagtcagc 120  
tagccagggt ctcaagaaaa agcagattac acactcaaat tgggtaattt gagcagagct 180  
taataaaggc agtattttaca aagtgtgggc taagcctccc atgagagtgc agaaccctgg 240  
ggctagcagt gtggggcgct attcccagcc cctcaatcc attggctgag gccgctggaa 300  
gccaccgggc caagggagct tgttgatgtg ggtcacacgg gcatgttccc aggtcaagag 360  
aggagagtgg agagtgaatc tanggagact caagagggaa gaagtgactt ccactacctt 420  
tcctttctgg ccgttttctt tccanctggc ttctcttttt ccgannocnt agttttgggt 480  
ttaangnan ntangtnaa 499

<210> 98  
<211> 688  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(688)  
<223> n = A,T,C or G

<400> 98  
naggtacaag ttatcaatcc gagggacaag agggagggac aagaaccagg tctcagctgc 60  
attcacatcc tggaccctgt catctcaaag ccagttccct cctgccttc caacttgggt 120  
tcattcactt tggattgagt tgcgttctca ctgaacagaa acccacaacc caaaacaagg 180  
gcagcccatg gccgtgatta agctctgcac cagtggcgaa gggatcgagt gggagaccag 240  
aattcagctc cgctctgtg cggcctcaag ggagttatga acttctgagc cttagacatg 300  
cttctgagct gccaccaagc tgctnatgg ggctgcctaa ggattaatgn attaatacaa 360  
tcccaggcac atnagtcatt aataaaatta agaatacngn gaccactaaa cccactactt 420  
tngaagtact tcctactaac tacnttaaac cccaacttga aggttttgga aaaganaatg 480  
nccacttggg aaccaaaccg gcnnaaangg aaaggtagct tggaggcact ttttcccttt 540  
tggggcttnc ctanaatccn tttccatttt ctttttgacc tnggnaaatt ncccngggga 600  
ccccatttac aaagtcttct tgggcccggg ggnntttnaag ggctttancc aagggnnttan 660  
ggggcttggg aaaaagnccc ccacttgn 688

<210> 99  
<211> 657  
<212> DNA  
<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(657)  
 <223> n = A,T,C or G

<400> 99  
 ggtactttttc ttagtatctt aacatcacat gcatttttga gtttatggtc tccagtctcc 60  
 agctgtttttt ggagcacctt ctaactttga gaggggtgagc tctagcctgt aaaatggact 120  
 gtgggtggct cgtggagaag gtgccctggg gtgcttttct gtgtcctctc tggattctcc 180  
 ctgagctgtc cacctctgaa gcctgcttca ccttcagact gccagggcaa gacatgcagc 240  
 ttctgcagaa ctcatggcag ccgttttcca cttggccgag ctgggtctgt gaagcagaga 300  
 ggaatcagta ataggaaaga aatgtaagtt gnttttttcc cccttagaat acctaccata 360  
 ctggatttca gcttggagtg cgcagcatga agcatttgtg gtcaaaaaag aggncttctc 420  
 ttttcttctc nctggtttct tttcttnctt cttcccaact tccccaange ttactggctt 480  
 tcttntnaag ncacgtgtgt aaaatanctt tgagggaaaa aanggttccg gcttgggana 540  
 tttggatnta cctaaagggn cagaataacc cttctttgcc tggttcnttt ttggcctaata 600  
 cnaggggaatt tttcgactgg ggnccattaat ggnccctccg cggccgttaa anggcaa 657

<210> 100  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(504)  
 <223> n = A,T,C or G

<400> 100  
 atttcttctt tgcattgcagg aagaaaattc actcgccgtt tgataatttg ttatgggtctt 60  
 atttgacctg ttatccctgc ctcccatgtt ctctttaccc tacaacccat cagctgttag 120  
 agtttctctt tccaagactc tccatgtcca tccctcttgc attccccct ttcactccat 180  
 cttctgtaac ccagccccctc gggagctgag gaggtggagg cggatataga cacggagagt 240  
 gctggatgca aaggtgttac ttgtggcaaa ggccgctgt gtgctgagga tagatggcag 300  
 gtatgagaga gggcaggatg aagcacagg gtggagggga gcagagagac ctacaacaaa 360  
 acccactcaa ggggtatgtg agatagactt ttttttctgg nctttttgtg tgtctgtaat 420  
 gggggttgga aagtggggtg gtctcancag ntaattctct ggagntctct ggacttgagc 480  
 ctngtcnnaa nagcccagaa nttt 504

<210> 101  
 <211> 685  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(685)  
 <223> n = A,T,C or G

<400> 101  
 ggtgcctgtt ttgccactta ggaagctgga aagaattttc gagtcaagtt aacccaaccc 60  
 cctcttcttt tcacatgtaa gcacactggc tcagccagaa ctcaggtctt tcaacctcac 120  
 agttggtgaa gactcttaca tgttgggtcc aagttgctca actctcaggg ctcagcctac 180

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| aaaagactcg | gcatttcgac | cagctcagtc | cagaggactc  | cagagaatga | ctgctgagac | 240 |
| cacccccatt | tccaaccccc | actacagaca | cacaaaaaga  | acagaaaaaa | aagtctatct | 300 |
| cacatacccc | ttgagtgggt | tttggtnag  | gtctctctgn  | tccccttcac | ccctgngctt | 360 |
| cacctcgct  | ctctcatacc | tgccatctat | cctnagcaca  | cacngngcct | ttggcacaag | 420 |
| tacacctttg | cattcaagca | ctnttcgggn | ctatatncgg  | cttcaacttc | ttagcttccg | 480 |
| aaggggcttg | ggtacngaaa | aaggatgaaa | gggggggaatg | ncaangggat | nggcctggga | 540 |
| aagtttttga | aaaggaacct | ttaccnctga | aggggttgtag | gggnaaaaaa | aacctgggag | 600 |
| ggccgggtta | ccnggtcaaa | taggaccttn | ccaantttta  | acnggggagg | gaatttnttc | 660 |
| cnctgcca   | naaaaannnc | ttccn      |             |            |            | 685 |

&lt;210&gt; 102

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(498)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 102

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggtaccatat | acttaaggct | atagtttatt | tcataacttt | ttttctagcc | ttcatatctt | 60  |
| gtgttttcag | gtgtgcacaa | tattctttta | aaaattaagc | attcttacgg | cttcactcat | 120 |
| gtgcaacatt | tataattatt | tgcatttgcc | ccctcaatga | tctcaataga | ataaatcagg | 180 |
| ctccactata | ctcatttcac | aaagacacat | tcattacaaa | ggataaagga | ctgaaatatt | 240 |
| tgttttgcaa | tctgttgacc | taagtaggaa | taggaagcac | agtttcagtg | cttccaagtt | 300 |
| tttaaccct  | gactgagacg | ttttggttga | gtattactat | tcttattcta | ccaatgataa | 360 |
| agggaaactg | aatgccccac | catgtgctgg | ctgtttacac | atatgcaaca | ttgactggtt | 420 |
| ctcacaacca | ccttgaggaa | taggcattgn | cttcaattta | caaagagga  | aaacaaccat | 480 |
| tttcaangng | cattttnc   |            |            |            |            | 498 |

&lt;210&gt; 103

&lt;211&gt; 697

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(697)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 103

|            |            |            |             |             |             |     |
|------------|------------|------------|-------------|-------------|-------------|-----|
| ggnatctgaa | attcgctttt | cnagcggcgc | cgggcaggac  | taaaaatgta  | agtttatttt  | 60  |
| gccatacccc | taacaacatt | ttattttaa  | tattattgtga | cttgattaca  | aatcttttaa  | 120 |
| atgacattat | tggcatat   | ttcttaaa   | ttgtaagaaa  | aagataacat  | ttcacatttt  | 180 |
| agtagcaaaa | tcattgttaa | gagatagtca | attttgtgaa  | aatatttgag  | tgctaataca  | 240 |
| tttttccagg | atgatcttct | atccttta   | atttagatct  | tccttttgaa  | gcacttacat  | 300 |
| catcatcaaa | tttttggtea | tttgntgngn | catctaattt  | ctgggttcatt | ttctaattggc | 360 |
| ttcgtatgtg | aatgaatttt | agttattcct | aacgtcattg  | gtagccactc  | ttttgaaatt  | 420 |
| tttttttaaa | ccaggctttc | aattttta   | tatanggaat  | ttgcattggg  | atatagatga  | 480 |
| ccgctcaaaa | ttcccatgng | agactgntga | aatgncctaa  | acnattcgcc  | tggacnctgg  | 540 |
| attaanccgn | ggcctcttaa | ggtaatctng | anggggtggc  | ttattgggaa  | aatttggatt  | 600 |
| nnggcccggt | tactntgcca | ggttngactt | nnaagggcc   | anaaggacct  | nggaaatnaa  | 660 |

gatnccctna acccttcctt ggnaaanaaa naagttt

697

<210> 104  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(504)  
 <223> n = A,T,C or G

<400> 104  
 accatcattc agaataactc ttccaatttc tgctttcaga catgctgcag gtcctcatct 60  
 gaactgttgg gttcgttttt tgtttttttt cctgctccaa gaaagtgact tcaaaaataa 120  
 ctgatcagga tagattattt tatttttactt ttttaacactc cttctccctt tttccactg 180  
 aacaaaaaag aaatcccatc cctaaaaacct gcctttctctt tttatgcaaa actgaaaatg 240  
 gcaatacatt attatagcca taatgggtata gatagtgatt gcgtttggct atgtgttgtt 300  
 ttcttttttt ttaaattatg aatatgtgta aaatctgagg taacttgcta accgtgaatg 360  
 gtcataatac tttaaagata tattttataat tatttaataa catttgacc cttgaaacat 420  
 ttcttagtgn attgatattg tgactttcgg tctctaaaag tgctctttat taaaataaca 480  
 aatttcttta aagggnctaa aanc 504

<210> 105  
 <211> 746  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(746)  
 <223> n = A,T,C or G

<400> 105  
 ggtactaggt gtctcataat tgaacctctc atccacatgt gcggctttta gctgactatg 60  
 tctttgctat gaagcctggc gatttagagt tttgcttaac tatgaaacca cagaacattt 120  
 ttctgtagtt caatgattta cttgtgcttg tctttttaat atgacaagag tcataattac 180  
 cccaaagaaa ttagaaaacc acatcactcc agcatttcat gctgataaag ggctaaagggt 240  
 tgttttttta atccctaatt accgcttttag aaggcaaagc tgtgttagag gcattcaaag 300  
 atctgaaaga actaaacata acatttcctt catacatcac aaaaacaatc tatatctaaa 360  
 atatttggag aaggggaagta ttttttaaaa tcacattgng ccctggatga acctggaaat 420  
 ggcttancca tatttcaaga atatggntct aggaccact ggaaggaaaa tttgggtaat 480  
 ttaaataaaa ganccctttt ttaggaggan ccgaaagtcc aaccttattc aattccctt 540  
 angaaaatng tttcaagggg gtcccnaaag ggccatttaa antaattttt taaaatatta 600  
 tcttttaaag ggtttttttg ganccenttn nccggttgnc caagggttnc ccttcgnaat 660  
 ttttnccctt ttttccctaa antttaaaaa aaannggnaa acccccccct ttgnccaaag 720  
 cccatnccctn tttttttacc ccttng 746

<210> 106  
 <211> 645  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (645)  
 <223> n = A,T,C or G

<400> 106

|             |            |            |            |            |             |     |
|-------------|------------|------------|------------|------------|-------------|-----|
| acaagctttt  | tttttttttt | ttttttttga | gatggagtct | cacattgttg | cctgggctgg  | 60  |
| agtgcagtgg  | cacgatctcg | gtccccgggt | tcacgtgggt | ctcctgcctc | agcctcccag  | 120 |
| gtagccggga  | ttacaggtgc | ccaccaccat | gcccagataa | ttttttatat | tttttagtaga | 180 |
| gacgggggtt  | taccatgttg | gccagactgg | tctcaaactc | ctgacctcat | gatccgcctg  | 240 |
| cctcaacctn  | ccaaactgct | gggattacag | gcgtgagcca | ccacaccggg | ctgagttggt  | 300 |
| gatttttttag | tttgntcagc | tttttacttg | gtagaatgaa | gtgatgactg | ncgacctcct  | 360 |
| taagggccag  | actagaaact | gggagtctcc | tatttangnc | gccttaaaaa | ttgnaagctn  | 420 |
| gacattgggtg | gtgaagcatt | ggaacaattc | ttaattctgg | tacctganan | gggtgaattt  | 480 |
| tggtttcact  | ngcngcttat | cagtantcaa | ttccttgaac | ttttaaaacn | ttagttaccc  | 540 |
| ttngtagggga | cagntttcaa | attttccttg | acttagggaa | cccttantct | ngggacaagt  | 600 |
| tttattctaa  | ctgactgttg | caaacttang | gcttcntacc | tggcc      |             | 645 |

<210> 107  
 <211> 684  
 <212> DNA  
 <213> Homo sapiens

<400> 107

|            |            |             |            |            |             |     |
|------------|------------|-------------|------------|------------|-------------|-----|
| acagccagat | cttaagatga | gtctgtgtca  | aaatgacctg | aacgcaagtc | tgtattcttg  | 60  |
| cagagtaaca | gagtgttcgt | ctgtttctgt  | ctaaaagtca | taactataca | gatattctggg | 120 |
| aatgcttgca | tgaagctttt | actcccagaga | gcatactact | acttacgggt | ataacttggt  | 180 |
| gatgtctata | ttggcttaat | tcaaataaaa  | agttcactcc | aggagcagct | ctttgtaatc  | 240 |
| cacaccaccc | cccagactgt | tctgaataaa  | cccagaacaa | ctcatacacc | agcctaagca  | 300 |
| tgggtctatt | ttctgggatg | ggacagaaca  | taattgtatt | aaaatataaa | atcagtttta  | 360 |
| aaaggtcttg | aaggacatat | cttaaggcca  | tgatagtaag | tacagctggg | gtgctgggga  | 420 |
| ggggacctca | actaggggtg | gtggcaaaaa  | tgggactttt | aactttgggt | ttaacatcct  | 480 |
| ggtcctaaaa | agaagactag | atttacctat  | tatatatgca | atctaaaatt | aattcaaaaa  | 540 |
| gtcatcagcg | aggaccccc  | taagattctg  | ggtggtaagt | ccaccaaaag | ccaagagcta  | 600 |
| aaacaaaagc | cttttccaca | tgttctgaga  | agttggccca | aaactgctga | atctataggt  | 660 |
| cttagcatgc | tctatctatg | tacc        |            |            |             | 684 |

<210> 108  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens

<400> 108

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggtacacgtc | gttctcttca | agatctcata | gacaatcgtg | ctccgggttt | tgctgtcgaa | 60  |
| aaaggaatcc | ttatcagaca | agtcaaatag | atgctgcttc | tcccgggaga | agggatagga | 120 |
| gagttctctc | atggctctgg | gcctgtgctc | agccactttg | ggctggatgg | gatctgtgat | 180 |
| tttctggagc | acagagttga | tttttttcag | gaggccacgg | gtctcattaa | tgtggt     | 236 |

<210> 109  
 <211> 497  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> (1)...(497)  
 <223> n = A,T,C or G

<400> 109  
 acgagaagtg tgggtgctgga atatctttcc ggtgaggcct caagaagttt acagtcacgg 60  
 tggaaggcaa tgaggagcca gcatatcaca tgggtgacagc aacagccaga gcaaaagagg 120  
 gagggagagg tgccactcac acttaaacia ccagatctgg tgtgaactga ctcatcacca 180  
 aggggatggc actaaccatc tcatgaggga tctgccccca tcatccagac acctcccacc 240  
 aggcctcatc tccaacactg gggattacat ttcacatga gatttggagc ggacaaacat 300  
 ccaaaccata tcagtaggat gtctgacatt catcatacga tgtctgagtg aaggagggtt 360  
 taagggttta ttttgtctcc ctggatagta atggaaaatg tatatctgaa agagatgtct 420  
 gaaaaagaaa gtttaagtgg gtggcttgca cacttttggg ttgctagnng gctttttgag 480  
 ctcanattct catttgn 497

<210> 110  
 <211> 722  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(722)  
 <223> n = A,T,C or G

<400> 110  
 ggtacagccg gtctctttct tccaggaatt ggctactgtc cctctgcaat cccattcatg 60  
 ataaaagcat tcttatacaa cacaaaagat gctgcatcaa tgattctcaa acctccaaga 120  
 catccaaatc aactagcatg cttaagatgc agattcctgt gctcgactca ccaacttcca 180  
 gaattttcca tccctagggt ctgagggtgaa cctgggaatc tgccttgcta acaaatgatg 240  
 ctgacactgt tgatttgggg accccacttg gagaacctgg gctctagatc tctacctct 300  
 tactgaagtc ttcttccact tctgtcttta actggaatcc aaccgcccac cctgnagcc 360  
 cttgcaaagt gaattgccc tttcccttac tctggttttt tctctctggg ttctagccta 420  
 gattccangg aacatnaact ttgggcntgg cattttcccc tngatntggg atccttttgg 480  
 nccagntttt ccccaaagna agcctnaat tcaaaatctt tccccntng gttectattn 540  
 acccggaact tcngggggna aaaaatnccc aaaagcccc ttacnaaatc cctttttccc 600  
 aaacttcaat tgggaaactn gggcttttaa aaagncccn tttnccaaan ccnaaaantg 660  
 ggcttaaccc cccccenttn aaactttntt ttttnnaaa attnttttn anaaattncc 720  
 tt 722

<210> 111  
 <211> 614  
 <212> DNA  
 <213> Homo sapiens

<400> 111  
 accagggtc tcacttccaa atagactatt taattgtttt gatacattct caaaaactgt 60  
 caagggtcc aaggcatcca aagcttcaag gtatttgttc acaaacccta ccctgtttgc 120  
 ttgaatatga actgtcttaa tttctagccc ggtcttccat tccacaagt ctgtgacttt 180  
 gttcctattg ttatctctgt aaggctatcc tctcctttgc ttttaaact ttactcagaa 240  
 ttcatgagcc aacttgaata tcactttctc catggaattt ttatgagttc tccaacataa 300  
 ttcaatgacc aggtcagttt ttgatccagg acagcatttc ctgtgaatgt ggtggatgtt 360

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| atatatcact | caatgcattt | tctcattacc | ctggggaatc | aataaattgg | agttttcttaa | 420 |
| tctgcagaac | tgaggacca  | tagctttaaa | atgtgtgccc | atgaatctgt | tccaagaccc  | 480 |
| aagatgaaat | ttcagccctc | atccaccctc | atataaatga | caaaatatta | tgtgggatcc  | 540 |
| ctgtaacaac | tgaattttta | aatgctagga | ttatcccttc | cctagcacta | tgtcattttt  | 600 |
| aaaggtgtac | ctcg       |            |            |            |             | 614 |

<210> 112  
 <211> 499  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(499)  
 <223> n = A,T,C or G

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| <400> 112  |            |            |            |            |             |     |
| acttttctgg | aaattggctt | taagagctca | tcttgcattt | ttaaaatctc | tccaactgga  | 60  |
| tcaaattttt | tatatactcg | tttgataggt | ttttttaaaa | cacatgactc | ttcaggacta  | 120 |
| caagcagtat | tagtctgggt | tcctacagaa | gcctgtcctg | aggaagaatt | tggactagct  | 180 |
| ggtctggaac | ttaagttaga | acccacaaca | gctgtctttc | catcactatt | attttttacat | 240 |
| tctgtatcaa | tgattaaaca | ctcctcatct | gtatcactgc | tgcagagaac | tgtaccttca  | 300 |
| gtttttgctg | cttctgatcc | aacagtcttt | tcctttgagt | tgtctagggt | ttctagaaca  | 360 |
| ttaggtcttt | caccatcagc | atgtaataa  | tctatagtca | tatcattttt | attagaagtt  | 420 |
| tcaatttcct | gagaatttct | aactggaagg | catcagatgt | tttcaaggca | ctatcttgga  | 480 |
| tcaaangctt | ggcaaaaaa  |            |            |            |             | 499 |

<210> 113  
 <211> 697  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(697)  
 <223> n = A,T,C or G

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| <400> 113  |            |             |            |            |            |     |
| gcgtggcgcg | gcccgaggta | cctaacatga  | cagatgctcc | tacagccccc | aaagcaggaa | 60  |
| ctacaactgt | ggcaccaagt | gcaccagaca  | tttctgctaa | ttctagaagt | ttatctcaga | 120 |
| ttctgatgga | acaattgcaa | aaggagaaac  | agctggtcac | tggtatggat | ggtggccctg | 180 |
| aggaatgcaa | aaataaagat | gatcagggat  | ttgaatcatg | tgaaaaggta | tcaaattctg | 240 |
| acaagccttc | gatacaagat | agtgacttga  | aaacatctga | tgccttacag | ttagaaaatt | 300 |
| ctcaggaaat | tgaaacttct | aataaaaaatg | atatgactat | agatatatta | catgctgatg | 360 |
| gtgaaagacc | taatgttcta | gaaaacctag  | acaactcaaa | gggaaaagac | tgttggatna | 420 |
| gaagcagcaa | aaacctggaa | ggtccagttc  | tctgcacant | ggatncccan | tgaanggaag | 480 |
| tggtttaaat | caattgggtc | ccggaatggt  | aaaaaattaa | ttagtggatg | ggaaaagacc | 540 |
| agcttgttgg | nggggttctn | aacttaaagt  | ttcnanacca | nnntangtcc | naattttttc | 600 |
| cttnagggaa | agggtctttt | tnggnaaacc  | gncttaaaac | gggttngnan | cccctaanaa | 660 |
| ntcttggngt | ttaaaaaaa  | cctttttanc  | cgngttt    |            |            | 697 |

<210> 114  
 <211> 497

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(497)  
<223> n = A,T,C or G

```

<400> 114
accacttct gacatctgga ccacttcttg cagtcatttg gggtcatccc ccacactggt      60
aacctgtcat caaatgggcc acagcaacat tcagcttaag tatttctcct tcccacatcc      120
aagggttgga gtgggagtga gattgggggg tggaaaaaac agtgaacagt cctggtgagt      180
tgcagatgtg gtctcattcc ctagagatgc aggatgcagc tgacctgaat caggacagat      240
ccctgcagga gggactcctg gtgccatgtc agtcccacct ggcactgccc tagctcccag      300
gctccgcctc tgcattcttc cttgctactt cctctttcac ttctcccccg ttcccagacc      360
caccagacag agcttccaga gtgtcaggac atgtgtgact tagcccagat tcagacttta      420
gtcacaagca ggatcaagca tanacatcta acttccagca tgggcaattc tctggtgggg      480
ctccctgnnt ggantgg                                     497

```

<210> 115  
<211> 687  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(687)  
<223> n = A,T,C or G

```

<400> 115
ggtactatgt gtgaagaaat ggagaaaagg aaaaatcang tgtagaaaaa taagaaaaag      60
caagagttag gttggtgcct acagttcaca gcatgtgata aggactgagc atttattcta      120
ttatttggtc ataaaaatgc aggctgtaag ggcctacaca caccagctta tcgnagactt      180
ggctctgagc tttcctgcag ccaatacaaa cagggagaca cancagagaa ttgccatgct      240
gggagctaga tgtctatgct gatcctgctt gtgactaaag tctgaatctg ggctaagtca      300
cacatgttct gacactctgg aangctctng ctggtgggtc tgggaacggg ggagaagtga      360
aagatgaagt agctagggaa nagatgcaga ggctgnncct tgggaactta ggcaagtgcc      420
aggtggggac tgacctgggt anccaggaat tccnttctct gtangggatt ctggtcctng      480
aatcaggggt taagcttgcc attcctgcat ttcttntagg ggganttgan aacccccctt      540
ttggaaactt cancaaggan ttggtctccc nggntttttc ccccccccta aattnaattc      600
ccnttaatan cctttgaatt cnggnaaggg nnaattcttt ancctaantg ttcttggggc      660
nctatttggg ngacagggtt ncnangg                                     687

```

<210> 116  
<211> 508  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(508)  
<223> n = A,T,C or G

```

<400> 116
ggtagccatt ttctatttca agtagattaa ccccttatat tctgctaaaa tcatacttgt      60
tgcctaacac ccagtttaaca aagcaaaaaa aaatcagtta atttataaaa acaaaatgct      120
aattcttatt ctatgtgaat gtatttcata gattttaagg ggtaaatcac caattagaag      180
acatgctgtg tccacactat tttaagatta aacgttaaat ggaatatatt aattcaaatt      240
aacatgggtca tgtaaaatat ataaccact caaccattta aaaactagtg tgaacactgc      300
tcaattctag aagagacaaa gacaaaaaaa acaaaacagc cacacaaagg acaataaatg      360
ccaggctctg catccaaaat cctcctttaa tcaaatggca gatgtgacac tgagcttttg      420
aaaaccttgg ncaaaaatcc ttccgatgtc ttggcagcaa cccctggcag gatcaatccc      480
ctctgntata aagntttggg ccnngccc

```

```

<210> 117
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(644)
<223> n = A,T,C or G

```

```

<400> 117
acaggggtta aggaaggctt tgccggaaga acaattgtaa atcatgagag ttactacttg      60
cgcattgtgt gtagtctctt ttaatgcata atgggtccttt ttaataccaa aaattaatta      120
ataaaggaaa tgattacatt gtccaaataa ctgttaaaca catgacagat ctgttttatg      180
atactgtgtt tgacagttaa acattaagta aacatttaat tgactttaag cttgaaatgt      240
tcagaatgct ctaacccttg ctacagaatc ttttctgcag caagttaagt attttgtgtg      300
ttttttccca cctgtagctt atcaggcccc gtccaaagcc ttctagcaga ggggattgat      360
cctgtcaggg gttgctgcca agacatcgga aggatttttg accaaggntt tcaaaagctc      420
aatgncacat ctggcatttt gataaaagga gggatttttg atccaaagcn tggcnttatt      480
ggccttttgg gtggctgggt aggggtgntt tggctttngc cttttcttaa aaattaacca      540
nggttnccac ttantttttt aaaagggtga atggggtaaa atttttccnt ggaccnngta      600
aattgnaata aaaattcccc ttaccgtta aacttaaaan angg

```

```

<210> 118
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

```

```

<400> 118
ggtagaaaacc catgcagcct ggccctcacg tgggtcaagat cttcttttgc ggggacacta      60
ttcctaagag tcccttcggt gtgcaggttg ggggaagcctg caatccaaat gcctgccggg      120
ccagtggccg aggcctacaa cccaaaggcg tccgtatccg ggagaccaca gatttcaagg      180
ttgacaccaa agctgcagga agtggggagc tccgtgtaac catgaagggt cctaagggtc      240
tggaggagct ggtgaagcag aaagactttc tggatgggtt ctacgcattc gagtattacc      300
ccagcaccac ggggagatac agcattgcca tcacatgggg gggacaccac attccaaaga      360
ggccctttga agttcaagtt ggccctgaag cgggtatgca gaaagtccgt gcttggggcc      420
ctgggctcca tgggtgggatt gtcnggcggt caacngactt cgtggnanaa tccattggct      480

```

ctgaaatnng gnctctgggg

500

<210> 119  
 <211> 624  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(624)  
 <223> n = A,T,C or G

<400> 119  
 actcaatctt tgccctgagag gggccttcaa tggcacaaccc cagagacccc acttcagagc 60  
 caatggattc taccacgaag tctgctgacc gcccgacaat cccaccatgg agcccagggc 120  
 cccaagcacg gactttctgc ataccgctt cagggccaac ttgaacttca aaggggctct 180  
 ttggaatgtg gtgtccccc catgtgatgg caatgctgta tctccccggg gtgctgggggt 240  
 aatactcgaa tgcgtagacc ccaccagaa agtctttctg cttcaccagc tcctccagac 300  
 ccttaggacc cttcatgggt acaccgagct cccacttcc tgcagctttg gtgtcaacct 360  
 tgaaatctgt ggtctcccg ataccgacc cctttgggtt gtaggcctcg gccactggcc 420  
 cggcaggcat ttggatgcan gctttcccaa cctgcacaac gaanggactt ttangaatag 480  
 tggncaccagc aaagaaaatc ttgaccacnt tgangggcca gctngatggg tttggacctt 540  
 tggccggaac acccttangg ccaantcng canttggggg ccgtacttag ggaccaactt 600  
 ggnccaact ttgnggaata tggg 624

<210> 120  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(504)  
 <223> n = A,T,C or G

<400> 120  
 acaggcatgg caccgacatc tgcttggtt ctgctgtagc ctcaggaagc ttatagtcgt 60  
 ggcagaaggc aaagagggac ggcaagagag gaagcaagag agagagcgag gaggtctcag 120  
 actctcttta ataactcagat ctcttgataa ctcatttcca tggggagggc accattcatg 180  
 agggatccgc tcccatgacc caaacagccc ccaccgggccc ccactgtcaa cactgaggat 240  
 cacatttcaa catgaaatgt ggaggggaca gacatccaaa ctatatcacc tccatactgt 300  
 tttccacagc attcccacca acagtgcaca ggggtttcag tgtctccaca tcctcatcac 360  
 acttggtatc ttctgttttt gtttgtttgt ttgtttgttt tttatagtag ccatttctcat 420  
 gantgtgaag tattaacagt gtcttttgaa gatcagaaat ttctaatttg atgaaagtcc 480  
 ngnttanacan nttttttcnt tttt 504

<210> 121  
 <211> 630  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;222&gt; (1)...(630)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 121

|            |             |            |            |            |             |     |
|------------|-------------|------------|------------|------------|-------------|-----|
| ggtactatcc | taagtttaac  | actgcttcac | agtaaggaaa | gccgatcaaa | atttaaggag  | 60  |
| agattagaat | ccagaaatag  | gcccacacat | atatatagtc | attgattttt | aataaagggt  | 120 |
| caaaggcaaa | acaatgaaga  | aaggatggtc | ttttcaataa | atgatgcaga | aacaactgga  | 180 |
| catccacgta | tgcaaatata  | ctttaatcca | tgctttttac | tttatccaaa | agctaattcca | 240 |
| aaatagaaac | ctcccttttc  | tccctcaaaa | aagcttctag | agaaaacaca | ggagaaaatc  | 300 |
| tttgtaacct | tgggttcaca  | aagatttctc | aggtatgaca | ccataagtat | gatccagaaa  | 360 |
| agaaaaaaa  | tgataaaactg | gacttcatca | aattagaaat | ttctggatct | tcaaaagaca  | 420 |
| ctgntaatac | ctcacactca  | tgagaatggc | tactataaaa | acnaannanc | caaccaacca  | 480 |
| ataacngaag | attncagggt  | gatgangntt | ggagacnctg | aanccctgng | cactgttggt  | 540 |
| gggaatnntt | ntggaaaaca  | gttggangng | aattagntng | gngnntngcc | cttccanttc  | 600 |
| atgggnaagg | gacctnaggn  | tgancgnggg |            |            |             | 630 |

&lt;210&gt; 122

&lt;211&gt; 431

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(431)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 122

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| actgaaaagc | ttggtcataa | tcttctgaa  | catggaatga | tctagctagc | tgatagcagc  | 60  |
| tctctgcttg | catagcttcc | acttctgtat | tatggaatgc | atggagggcc | agatgctgga  | 120 |
| ctttactata | atcctttttg | aagaaaaagt | gatttgccaa | atggttcaat | accataggggt | 180 |
| tgctaggatc | aatagtatag | gctctggaaa | gaagctggac | accattttta | atggaatcag  | 240 |
| cctctttatt | gttgagttct | agaacagcca | gtccaaccaa | tgctcccacg | catttggaat  | 300 |
| tgagttccag | ggctctgctg | aatgccagac | gagctttttc | cagtttggtt | agtttcacaa  | 360 |
| agcaatgacc | cattcctaaa | cnaacttccg | ctggacattc | ctgggttaag | tacctnnggc  | 420 |
| cgngaccacg | c          |            |            |            |             | 431 |

&lt;210&gt; 123

&lt;211&gt; 504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(504)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 123

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| actggctgtc | ctctgaggca | ccttggtgtc | ttttccacaa | tggtttattt  | tcctccagta | 60  |
| ggctagactg | gcttccctat | ttggcagttt | cagggcagca | tttcaaaaagc | aggaagggtg | 120 |
| aagtggcaag | gccccttgag | gccctttctt | cagagctcac | acagtgtcac  | ctttaccaca | 180 |
| ttctattggg | caaagcaact | tccaggccag | ccaaaattca | aagggtgagg  | tagtagactc | 240 |
| tacctctttt | ttcttttgag | acagaattgc | gctctattgc | ccactctgga  | gtgcagtagc | 300 |
| agcctcatgg | ctcactgcag | cctcaacctc | ctgggctcaa | gcgacacctc  | catctcagcc | 360 |

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| tcccagtag  | ctaggaccac | aggcacatac | caccacagtc | agctaattaa | aacatttttt | 420 |
| ttggtagaag | atgggttctc | acttttttgc | ccaagctgat | catgaactcc | tggccacntt | 480 |
| ngggcntttc | aaggggnaac | cccc       |            |            |            | 504 |

<210> 124  
 <211> 632  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(632)  
 <223> n = A,T,C or G

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| <400> 124  |            |             |            |            |            |     |
| ggtacaaaca | cagtaaagaa | caacacagat  | accagtcctg | cctttatcag | gaaagacaaa | 60  |
| acaaaaacaa | aaagtaaaca | ttccagtaaa  | ggaatgatta | gtgctattat | gacaaggaaa | 120 |
| gcatagggaa | ctattcgatc | aaagaagaga  | ggttacagtt | cccccattct | agggtgtttg | 180 |
| gaaaggaaga | atatccttag | taaatgacat  | tgaagctaaa | acctaaacta | tgtatagcag | 240 |
| tcagctagaa | aaaacaggca | agaaagaata  | tttcagggtg | agagaaacac | atgttttcag | 300 |
| gccaaaagct | ggagaacaag | gtgagtttaa  | agaactgana | gaggtttagt | gattacaatn | 360 |
| gttgaacaaa | aggggggcat | tgtggaatga  | atannaaaga | ntgggtttgt | anattggaat | 420 |
| ctctgcagca | aaactccatt | cagaagggtat | aagttcangc | cttgggtggg | tactttggna | 480 |
| aggccgtagt | gggccaggag | nttcattgntn | cancttgggc | caaaaagnng | agaacccatt | 540 |
| ttttccaaaa | anaatgnttt | naatttacct  | ncntgggggg | ggaatgnncn | tngggctcct | 600 |
| anttccttgg | aanggtttta | attgnaaggt  | nc         |            |            | 632 |

<210> 125  
 <211> 496  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(496)  
 <223> n = A,T,C or G

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| <400> 125  |            |            |            |            |             |     |
| acaagattag | gaggggggaa | aaacctgaac | aaatcctgga | acacacctat | gtattttacgt | 60  |
| catgggaaaa | ggggagagaa | cacttcaa   | atcaacaagt | tctgcgccat | taactcatta  | 120 |
| atagctaaat | ggccacacca | aattgcatgt | gaatgttaga | acctctcaga | tagccacaat  | 180 |
| aagtccatat | ttttttttta | aaaaaggaaa | acacagaaat | aactaccaac | agtgtctgag  | 240 |
| aagagagact | aagttaacat | acattgcatg | tattgcaggc | aaggcagagg | cattttttta  | 300 |
| aagcttttgc | acagacttca | tataatctta | aaaaaaatat | gcaggccttt | gcaagatttg  | 360 |
| acttgctgaa | atccaaacaa | ttttgactca | tgaaaagtca | taagacttca | gctgaaaaaa  | 420 |
| aagaaaaaag | ttccagcctt | agaccacaaa | aaaaaacctg | gaanagtntg | atagatttaa  | 480 |
| cnanggtngg | cacgct     |            |            |            |             | 496 |

<210> 126  
 <211> 631  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(631)  
 <223> n = A,T,C or G

<400> 126  
 ggtacacctt gttaccaa at aggttggttct cttccccacc cacctttgag cttttgctct 60  
 aaaatacatt cagggtccaa gcctgaccat ccttggttaa tctatcatac tcttccaggt 120  
 tttttttttt ggtctaagggc tggaaactttt ttctttttttt tcagctgaag tcttatgact 180  
 tttcatgagt caaaattggt tggatttcag caagtcaaat cttgcaaagg cctgcatatt 240  
 ttttttaaga ttatatgaag tctgtgcaaa agcttttaaaa aaatgcctct gccttgccctg 300  
 caatacatgc aatgtatggt aacttaagtc tctotttctca gacactgttg gtagttattt 360  
 ctgtgttttt ctttttttaaa aaaaaatatg gacttattgt ggctatctga gaggggtctaa 420  
 cattcacatg ccaatttggg ggtggncatt taactattaa tggagttaat gggcccaaaa 480  
 cttgggtgata ttttnaagggt gtctcttccc ntttttccaa tgccgtaant cntttngggg 540  
 tgggtccagg aatttgntcc aggnnttttc ccccnctaa aatnttgaac cttgncngg 600  
 cnggnccttt caaagggcna attnnanccn t 631

<210> 127  
 <211> 518  
 <212> DNA  
 <213> Homo sapiens

<400> 127  
 cagggtactcg gtgcttccca acacctcctt attggaaaac agccaaggag atgggtggcta 60  
 actggaggca tcaaccagca gtgggtggagc agtggagcaa ggtcatttgt gcactcactt 120  
 ccagattgct acgctttaca tatggctcctt catttcctgc atttaaagtt cccgatgaag 180  
 atgccagtct gatccctcca gaaatggata atgagtgtgt tgcacagaca tggtttcgct 240  
 ttttacacat gttaagta at cctgtggatt tgagtaaccc agctattata agctctactc 300  
 ccaaatttca ggaacagttc ttgaatgtga gcggaatgcc gcaagaattg aatcagtatc 360  
 cctgccttaa acatctgcct caaatatttt ttctgtgcat gcgtggaatc agctgtctgg 420  
 tggatgcatt cttaggtatt tctagacccc gatcagacag tgctcccca acaccgtga 480  
 atagattaag tatgcctcaa agtgctgctg tcagtacc 518

<210> 128  
 <211> 865  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(865)  
 <223> n = A,T,C or G

<400> 128  
 accaaaggat agctgttctg ttttaagtagg gacctctcat ggcttacagg ctttgacatc 60  
 tgagaatcaa actggagaac attccgaagc cgttcttata agtgtctcca tctctacctg 120  
 ggctgaaatg gaatgtgcaa atgtagccca gcctgggtcct tgggtgttgc cagttgattg 180  
 atgactggga gccaaagtgg catctccttt gacctaaacg ggcgatgatg aaataaaaact 240  
 caacagcctt tctctcatct tgcattgtga gatgcgaaat agagcgtgtc tctctgcctc 300  
 tcatttttagg ctgaggccgt ccaaagcggc catgccccat gtttccacta gatggcgctg 360  
 acacttcagg catcaacct catggcctct cagccttgca aaggcagcca cttaaagtcg 420  
 gtgtcctgtg tggggcacca agctgagctg cagacacca gtaggcgcga ggcaaatgcg 480



|             |             |            |            |            |            |     |
|-------------|-------------|------------|------------|------------|------------|-----|
| tcccattttaa | agaggcttgt  | atztatgagc | tctttgcttc | ctccctccca | ctatctttaa | 540 |
| agaattgctc  | tccatctcct  | ttggcaaagt | tcctttgccc | tttgncctat | ttttgtgaaa | 600 |
| cccttcaagg  | tattttccagt | ccatttgcac | ccaatctggc | atctttacng | aanagcggtc | 660 |
| tcatatgcta  | ttgggtggtaa | cgtgggacta | gtatttatgn | gggtgagaac | cacttggctg | 720 |
| tttgtcaagg  | aaaagtgtgc  | ccaaaaacca | agaagtacct | ttggccgnga | accacgctta | 780 |
| aggccgaaat  | tctgnagata  | tncnntcaca | cttggcgggc | cgggtcgaac | cttgcantta | 840 |
| aanggnccca  | atttggccct  | tatag      |            |            |            | 865 |

<210> 129  
 <211> 910  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(910)  
 <223> n = A,T,C or G

|             |            |
|-------------|------------|
| <400> 129   |            |
| tactctttgt  | tttggcacac |
| tagtccacgt  | taacaacaat |
| gcaaattggac | tggaaatacc |
| tttgccaaag  | gagatggaga |
| tcataaatac  | aagcctctta |
| gctcagcttg  | gtgccccaca |
| aggccatgag  | gggtgatgcc |
| cgctttggac  | ggcctcagcc |
| acaatgcaag  | atgagagaaa |
| aggagatgcc  | actttggctc |
| ggctacattt  | gcacattcca |
| tcngaattggt | ctncagtttt |
| cctacttaaa  | ccggaaccag |
| gggcgaaatt  | ccacaccact |
| cccaagcntt  | ggcggtaaat |
| tcccttccca  |            |

<210> 130  
 <211> 932  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(932)  
 <223> n = A,T,C or G

|            |            |
|------------|------------|
| <400> 130  |            |
| taccgcttgt | ttatccaaat |
| cagtgttaag | caggaagcta |
| agccctatcc | tcaagtgtcg |
| gaaagctact | tctccagtga |
| acaaaatcct | gagctacttc |
| accaattgtg | aagtcaactt |

```

aatttgtctg caatctcaat ctaaagacaa atctacgaca ccaggaggaa caggaattaa 420
gcctttcctg gaacgctttg gagagcgttg tcaagaacat agcaaagaaa gtccagctcg 480
tagcacaccc cacagaaccc ccattattac tccaaatcaa aggccatcca agaaagatta 540
ttcaagcaag acacatcttc atctactacc catttagcac aacagctcaa gcaggaaccg 600
tcaaaaagaa ctacatggtc ttctgtggcc gatttgacaa gggcaatatt atggagggtg 660
agaaaaaggg nggaaactca aaaagcnaac cacctnggaa anccaaacng ggaaaacttc 720
acttgtcaag agcactcccc ttnaaaaaaa ccnccccaa ggggttttnc aaaactcagt 780
ccctttccgg taaccngaaa aaggggggacc cgaaaacccc cganaccng gccccaaaat 840
tntagacct tgccccggcg ggcccgntnc aaaangggcg aaatttttgg gaaaatccat 900
tnnncctngg cggggcnggt tttgaccatt cn 932

```

```

<210> 131
<211> 890
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(890)
<223> n = A,T,C or G

```

```

<400> 131
actagaatgt ttggctggta tctgggtttc gggtcacctt tctgttactg gaagtgactg 60
agtttttgaa acaccttggg gttttttgag gggagtgtct tgacagttag ttctctgttt 120
ggtttctagt tgtttgcttt ttgagtttcc gcctttttct gactccata tattgccctt 180
gtcaaatcgg ccacgaagac atgctagtcc tttttgacgt tctgtcttga gctgttgtgc 240
taaatgggta gtagatgaag atgtgtcttg ctgaataat ctttcttggg tggcctttgt 300
atgtggagta ataatggggg ttctgtgggg tgtgctacga gctggacttt ctttgcctatg 360
ttcttgacaa cgctctccaa agcgttccag gaaaggctta attcctgttc ctctgtgtgt 420
cgtagatttg tcttttagatt gagattgcag acaaatttct ctacttaatt ctcccttggg 480
tggaactgtc tgggataaaag ttgacttcac aattggtttc gatacccccg ttttcagagg 540
actaatagga gtttttggaa gtagctcagg attttgccct cacaactttt agcatcagt 600
atagatgtag tagatttcac tggagaagta gctttcacag agctggaaat tgaggcatta 660
accaaagacg catcatcaag cacttgagga tagggcttta ttcaaagagg tatcggcatc 720
cctttgggga accagaatgg aagcttnctg cttaacactg ntgctatgga cctanccana 780
agctccactt tgcanangga aaatttggat aaaccagccg ganccttggc cggaanccac 840
gcttanggcc gaattccnca cacctgggag gncggttacc taagggaacc 890

```

```

<210> 132
<211> 606
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

```

```

<400> 132
actcaggcac ttcacagttt acttgaaaga ggctttggaa aatagataaa gtgaaagaag 60
aataaataca tatttttaat aatgtaattt taaaaatcct ttataatcag gactaagtct 120
tggtttgcag aagctgtcac ttaccctgaa acacagtatc aaaagggaac cttaaaacat 180
actgtttgat ttttttattt cctcttacaa tccatgtttt caggtagaat tatgactttc 240

```

|             |             |            |            |            |             |     |
|-------------|-------------|------------|------------|------------|-------------|-----|
| ccccattgt   | tacacatttc  | tttacaaagg | aggcctgtag | aaattggaca | cgatcatgct  | 300 |
| tgagcatgtg  | agttagtcaa  | attatgagtc | cctgcctatt | gtccattaca | caccgaatgt  | 360 |
| taattttaaga | accagaggca  | gaagttctgg | cttcctgctt | gaaacccaat | tcttatatga  | 420 |
| aaatttttaa  | aagccagaac  | ctagcagccc | atctgntttt | tctcttttgc | cggnagnattt | 480 |
| ggancccttg  | cgggaaacacc | cttanggggn | aattcngnnc | acttgggggc | cggacttan   | 540 |
| ggganccaac  | tttgggccca  | annttgggga | aancagggcn | anattngtnc | ctggggnaaa  | 600 |
| tggtnn      |             |            |            |            |             | 606 |

<210> 133  
 <211> 606  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(606)  
 <223> n = A,T,C or G

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| <400> 133  |            |            |             |            |            |     |
| ggtacttttc | cttaattctc | ttcttcttct | tcttgtcacc  | atccttcttt | tcttcttcct | 60  |
| catcagaacc | aacatcttca | atttcagggt | tgtcttccga  | ctctttctct | tctttttctt | 120 |
| tttcttcttc | tttgtcttcc | ttttcttcag | cctcatcctc  | gcttacttct | ttatcacggt | 180 |
| ccttctccac | aaaaagagta | atgggatata | caataaaactg | agaatgtttc | ttcacaatct | 240 |
| cctttattct | tcgttctctc | aagtacttta | aatttagtgg  | ttgctggagc | acctaaaagt | 300 |
| cagattgtca | tggtggaagc | ctctgcagag | aacattttac  | agcaggactt | ttgccatgct | 360 |
| atcaaagtgg | gagtgaataa | tacccaacaa | ataattcagg  | gcattcagca | gttggtaaaa | 420 |
| gaaactggtg | ttaccaagag | gcacctcaga | aggtattttac | cccttcgcag | agaatgngaa | 480 |
| atatactcat | aaacctgcta | tggagagact | ctatgcagtt  | ttacagatac | gagcatgaca | 540 |
| aggttcngga | gatgaagctg | taccaaataa | gatagatccn  | gnggaccact | aaangaaaat | 600 |
| tccgag     |            |            |             |            |            | 606 |

<210> 134  
 <211> 598  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(598)  
 <223> n = A,T,C or G

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 134  |            |            |            |            |            |     |
| tacntcacca | tcccgtatct | gctgctgtnc | canaaggcat | ngncaaattg | agggtcatac | 60  |
| tngatagcan | cagggtaaac | tgtggctcca | atttcaaaac | ttncctttat | gaacatcctc | 120 |
| accgangtat | tattgatgca | ggntccttct | gngaagatga | ggataggcag | ctngctttta | 180 |
| tcttgacat  | gttcannnan | nctnttagcc | accanntggc | naccttccac | ttccgagcgc | 240 |
| tcaaaccaga | cgtgtggncn | ggccttcacc | atggntctct | gaatcacacc | catgagtccc | 300 |
| ccgtgcactt | gacccaccat | ggcataatan | ccatcgctgg | ccaagatgat | cacatcgatc | 360 |
| ggtgaggnat | gattggccac | acagatgcca | ccatttcttg | gtctgntttc | cctgtcatgg | 420 |
| taggtgatga | tggctgtcag | cgctgcacg  | cagatccggt | aacacattaa | ctgaacatgt | 480 |
| ttactcatga | actccttaaa | cctcccattt | ggcangtatc | ccaccacagn | tgtgccacc  | 540 |
| accagaaggc | taatcctgt  | gaaagccagt | gctatcctga | gcggcancag | aaagcagt   | 598 |

<210> 135  
 <211> 617  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (617)  
 <223> n = A,T,C or G

<400> 135  
 actgctttct gctgccgctc angatagcac tggctttcac agggattagc cttctgggtgg 60  
 tgggcacaac tgtggnggga tacttgccaa atgggaggnt taaggagttc atgagtnaac 120  
 atgtncactt aatgtgttac cggatctgcg tgcgagcgct gacagccatc atcacctacc 180  
 atgacaggga aaacanacca agaaatgggt gcatctgngt ggccaancat acctcaccga 240  
 tcgatgtgat catcttggcc ancgatggct attatgccat ggtgngtcan gtgcacngcg 300  
 gactcatggg tgtgattnag agagccatgg ngaanngcct gcccacacgt ctggtttgag 360  
 cgctcggaag tgaatgatcg ncacctgggt gntaananac tgactganca tgtgcangat 420  
 aanngcnagc tggctatnct catcttccca gangganctt gcatcaatna tacatcgntg 480  
 atgatgttca aaaagggaag ttttgaactt ggagccacag tttaccctga tgctntcaag 540  
 tatgaccctg aatttgncga tgccttctgg aacagnagca aatncngtat gnggactanc 600  
 ctcgngcgnn ancacgc 617

<210> 136  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (610)  
 <223> n = A,T,C or G

<400> 136  
 cgtgccgtag gccggaatgt taccggctgt tggatctgcg gatgaggagg aggatcctgc 60  
 ggaggaggat tgtcctgaat tggttcccat tgagacgacg caaagcgagg aggaggaaaa 120  
 gtctggcctc ggcgccaaga tcccagtcac aattatcacc gggatatttag gtgctgggaa 180  
 gacaacactt ctgaactata ttttgacaga gcaacatagt aaaagagtag cggtcatttt 240  
 aaatgaattt ggggaaggaa gtgcgctgga gaaatcctta gctgtcagcc aagggtggaga 300  
 gctctatgaa gagtggctgg aacttagaaa cggttgcctc tgctgttnag tgaaggacag 360  
 tggccttaga gctattgaga atttgatcaa aagaaaagggg aaatttnatt acatactggt 420  
 agagacnctg gattancng accctgggtc cantggcttn tantgttttg ggttgaagct 480  
 tnaattaggg nnngtnttta acttggaggg ttnttacttt tgggggttca antttgggtt 540  
 aaacttttnn cnaaaaaaac cttgangcct tnttaatgan nntttngca agttttttgc 600  
 canagccttt 610

<210> 137  
 <211> 645  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;222&gt; (1)...(645)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 137

|             |             |             |            |            |            |     |
|-------------|-------------|-------------|------------|------------|------------|-----|
| acaattccaa  | gtgcttatag  | ccaatataag  | catatttcat | attagaaata | gttatccata | 60  |
| tgtaacaag   | aaactatggt  | cctcaaatat  | gccaatTTta | gagtctaata | actactgata | 120 |
| gtaactatgt  | aaatatTTtg  | gaataaacag  | ttatttacgc | aagccacact | tcagctgaga | 180 |
| tgatcactag  | acatctgttt  | ccagagcttc  | aacaatgtgt | gcagcagaag | gacgatcttt | 240 |
| agggtcttca  | ttagtgcata  | cagagaagag  | ttcaattact | ttctggtagt | attcatccag | 300 |
| ttcttccata  | ttaatagggtg | gcctagttcc  | caaggctgca | tagtatgctt | catcatcaaa | 360 |
| atcactttca  | tcaaaagttt  | tatcttcac   | atcatcatca | tttgaaagat | taatgtgtgg | 420 |
| aaatccgata  | aaagtcatca  | tttcccacaa  | agtaagggcc | aangccaaat | atgtctggcc | 480 |
| tggccagtaa  | taacacccat  | tcttcttcac  | aggnttcttt | tggggttnc  | atggnttctg | 540 |
| ggnccaatgg  | taaccaggnc  | ctaanggggtc | agggtccggg | cataattttc | aatnccengg | 600 |
| gganaaaaaag | acctcctaaa  | ntnccagaa   | tttnaatngg | ttcna      |            | 645 |

&lt;210&gt; 138

&lt;211&gt; 612

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(612)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 138

|             |            |             |             |            |            |     |
|-------------|------------|-------------|-------------|------------|------------|-----|
| ggtactcctg  | gtcacttaag | atctgatact  | gaacatttcta | caaatgaagt | tgggacttta | 60  |
| tgtcataaaa  | ctgatttaaa | taatcttgaa  | atggccatta  | aggaagatca | gattgcagat | 120 |
| aactttcaag  | gaatatcagg | tcctaaagaa  | gacagcacaa  | gtataaaggt | aattcagacc | 180 |
| aggattcttt  | tcttcatgag | aattcgttac  | accaagaaga  | gagtcacaaa | gaaaatatgc | 240 |
| cttggtgggga | aacagcagaa | tttaaacaaa  | agcaaagtgt  | taacaaaagg | aaacaaggaa | 300 |
| aggagcaaaa  | tcaggactca | cagacagagg  | cagaagagct  | acgcaaactt | tggaaaaccc | 360 |
| atactatgca  | acaaactaaa | cagcanaggg  | aaaatattca  | acaagtgtca | caaanagaag | 420 |
| ctaagcataa  | aattacatct | gctgatggac  | acatagaaaag | gtctgcactt | ttaaaagaaa | 480 |
| agcanaggca  | tcgattacat | aagttcttgg  | gtcttagagt  | tgggaaaacc | aatgaggaaa | 540 |
| accgtttgga  | tnttaaggcc | agggtgctacc | aatgccaccg  | tntgccngag | ggttaagaaa | 600 |
| cctnaatntt  | gg         |             |             |            |            | 612 |

&lt;210&gt; 139

&lt;211&gt; 592

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(592)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 139

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| ggtactccac | ttcttcctat | tggaagatta | acattatttta | ccaagaagga | cttaagggag | 60  |
| taaggggagc | agattagcat | tgctcaagag | tatgtaaaaa  | aaaaaaaaaa | aaaagaacca | 120 |
| aaccactgga | aataatcaaa | tgcaaaaagg | taacaaattc  | ataactggaa | agcaaagaga | 180 |

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| agaacaagta | tgatttggat | gataaagcat | tgttttaatg | gtgaaaactt  | cacagatcac | 240 |
| taatgtttct | agaggttaac | ttcaagtggg | caagctgggg | tttttaggta  | gtcagtggcc | 300 |
| tagttcctaa | agccacagta | taggatctgt | taaactgaat | gtctgttgaa  | agtttggttt | 360 |
| agctgcttgg | aggtctcctt | ttaagacaaa | ctgtatgtga | ttaagttggt  | tttgagggaa | 420 |
| ctgaagacct | gatgtacccc | tggccagata | actgcctgat | tctcagatat  | tattctctgg | 480 |
| gaaacatcta | catacacagg | agcttaaant | ggcattatct | cttgccctaaa | ttcagagatn | 540 |
| ttttgnactt | gccggngggc | gtcnaanggc | gaatccgcac | ctggcgccgt  | ac         | 592 |

<210> 140  
 <211> 618  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(618)  
 <223> n = A,T,C or G

|             |   |     |
|-------------|---|-----|
| <400> 140   |   |     |
| ggtnccttaca | cgtaagattt tagcctatgg tcattttata aagatgactg ttaggattta 60     |     |
| attcacatttt | aaagaaaaatg agattcgtta tattatgggtg tttttatgac ctataaaaata 120 |     |
| cttaccctcta | caaattttcca taaatgtagt ggtagtataa gcttttttct tactgaaaaa 180   |     |
| taatgccagg  | taaccaagta ttattccttc catcatttat ttaggaaaaa gttttatgta 240    |     |
| ttagggtaaaa | gtggtagaag ttaacctaga atctaataat ctccaatcac ccattcctga 300    |     |
| tctaataagt  | agccatgaga aaaaatctct agaaagaatc atacctctca aaaaataaaa 360    |     |
| tatnaaacaa  | aggctgggtg cagtggctca cacctgtaat ctgagcactt cccngaagtt 420    |     |
| gaggtgggca  | gatcgcttga gcctaggcat atcgcttgna gcctgggcaa ctgtggccaa 480    |     |
| accggtcttn  | taccaaaaaa atcncnaaag tagcccgccc ttagggccat accacctnga 540    |     |
| gcccgaggan  | ggtnaagnct accttgganc ngtgattgga ncctgcccng gtggnctgtc 600    |     |
| gaaaagggcn  | naaatnnt  | 618 |

<210> 141  
 <211> 551  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(551)  
 <223> n = A,T,C or G

|            |  |     |
|------------|--|-----|
| <400> 141  |  |     |
| ggtacttcaa | actctcttaa cggatgatgt ctgacattca ctactacatt tactctgcaa 60  |     |
| gatgtatcca | atgactttga aataaatatt gaagtttaca gcttggtgca aaagaaagat 120 |     |
| ccctcaggcc | ttgataagaa gaaaaaaca tccaagtcca aggctattac tccaaagcga 180  |     |
| ctcctcacat | ctataaccac aaaaagcaac attcattctt cagtcatggc cagtccagga 240 |     |
| ggtcttagtg | ctgtgogaac cagcaacttc gcccttggtg gatcttacac attatcattg 300 |     |
| tcttcagtag | gaaatactaa gtttgttctg gacaaggtec cttttttatc ttctttggaa 360 |     |
| ggtcatatth | atttaaaaat aaaatgtcaa gtgaattcca gtgttgaaga aagaggtttt 420 |     |
| ctaaccatat | ttgaagatgt tagtggtttt ggtgcctggc atcgaagatg gtgtgtcttt 480 |     |
| tctggaaact | ggatatctta ttggacttaa ccgatgatg agaancgcaa ggtaatttat 540  |     |
| atagtacctg | c  | 551 |

<210> 142  
 <211> 601  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(601)  
 <223> n = A,T,C or G

<400> 142  
 cgagggtacat ggtctatgcc tcccaggaga cgttcgggat gaaattgtca gtgtaaaacc 60  
 agaaaaaatg catctcttct agaattgttt aaacccttac caaggaaaaa aaaggggtgt 120  
 taccaactga gatcgatcag ttcattccaat cacagatcat gaaacagtag tggtcccacc 180  
 taggagtgtt gggaagttgt gtttgtgttt caagcagaaa aactgagctc caagtgagca 240  
 cattcagctt tggaaactat attatttaaat gtgggctagc ttgttttcaa attttaaaag 300  
 tttaaaaata aaatactttg cattctaagt tgccaataaa atagaccttc aagttatttt 360  
 aatgctcttt tctcactaat aggaacttgt aattccagca gtaattttaa ggctttcaga 420  
 gagacctga gtcttctctt cagggttcaca gaaccgcgct nctttttggg tagaagtttt 480  
 ctactcagct agagagatct cctaagagga tcttttngc ctgagttgtg aangcaccnc 540  
 ngcaaacgca ttgccttcca nttggcacaa acnccggtna acggcttgtg ttaaaaaccg 600  
 c 601

<210> 143  
 <211> 515  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(515)  
 <223> n = A,T,C or G

<400> 143  
 ggtncgtaa agaatatatc ttatctggag ctccagcctca atcatgtctt aacaaaatga 60  
 caggtctnan aaaggggggag ctcaatagct caaaagtgc aagtcctttt cacagcaccg 120  
 ttctcagaac acctctgagt aacgtgtttg ccagtagcta ttctcactga tgcaactgatg 180  
 gccctgaaga agcggatcca gtcacatagg aaaggaggct gtgttagtga aagcacatgg 240  
 aaggtgttgn tttagaaaagg tagtcaggaa aaacattcag gaatagattt atacaccatt 300  
 attgnattat ttntaaattt tcattcactc ttctgtttgg atacttttgc taattaaccg 360  
 tcctatgtta atanccacca aagctataag tccatagtca gtaaaacatt ccccttgggc 420  
 tgtctgagct aaaagcantg gcatctccgn atgtnggaca tccnagaaat agnttggtac 480  
 ctgcccnggc cgnncgttct taaggctaata ccngg 515

<210> 144  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(436)  
 <223> n = A,T,C or G

<400> 144  
 ggtaccgctc aggattccca tcccaagaca cccggtcctt aaaccgcca ctcatgggtt 60  
 ggaagggatc tatgtggtag tagaatacaa actgctcagg tccccgtct agaggacgaa 120  
 aattccaggc cactgttaga gcatcaccca caggggcaaa gctggagaaa gtgcatttta 180  
 accgagcatc tgtccatta acagcctcca gcaccggga ggtataaatt tccacagctg 240  
 ctataggcca aagagctgtg agctgtatgc caaggagaag aagcaccgca cgagtagagc 300  
 tcttgccata catgaggga acccagcctt ggccccagag accggacggg gcagaccgag 360  
 ggctccaaca ccctgccaa gccactccgg gaggagcaag caccgcgttt tnccagagag 420  
 aggagtttga gttgag 436

<210> 145  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 145  
 ggtacatccc cactatcatc cgccgggatg acccctccat catccccatc ctctacgacc 60  
 atgagcacgc aaccttcgag gacatccttg aggagataga gaggaagctg aacgtctacc 120  
 acaagggagc caagatctgg aaaatgctga ttttctgcca gggaggtcct ggacacctct 180  
 atctcctcaa gaacaagggt gccaccttg ccaaagtga gaaggaagag gacatgattc 240  
 acttctggaa gcggctgagc cgctgatga gcaaagtga cccagagccg aacgtcatcc 300  
 acatcatggg ctgctacatt ctggggaacc ccaatggaga gaagctgttc cagaacctca 360  
 ggaccctcat gactccttat aggtcacct tcgagtcacc cctggagctc tcagcccaag 420  
 ggaagcagat gatcgagacg t 441

<210> 146  
 <211> 624  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (624)  
 <223> n = A,T,C or G

<400> 146  
 acgtctcgat catctgcttc ccttgggctg agagctccag gggtgactcg aaggtgaccc 60  
 tataaggagt catgagggtc ctgaggttct ggaacagctt ctctccattg gggttcccca 120  
 gaatgtagca gcccatgatg tggatgacgt tcggctctgg gtacactttg ctcatcaggc 180  
 ggctcagccg cttccagaag tgaatcatgt cctcttccct ctccactttg gcaaagggtg 240  
 ccaccttggt cttgaggaga tagaggtgtc caggacctcc ctggcagaaa atcagcattt 300  
 tccagatctt ggctcccttg tggtagacgt tcagcttccct ctctatctcc tcaaggatgt 360  
 cctcgaaggt tgcgtgctca tggctgtana ggatggggat gatggaagg gtcacccgc 420  
 ngatgaatag tgggggatgt accttggccg ngaacacgct taagggccaa ttccannaca 480  
 cttgccggcc gttactaaag ggatnncaac tttngnacca aacttggcnn aaacaatggg 540  
 ccnaacttgg ttccntggng aaaatggttt cccntcaa atcccccaan ttacnaccgg 600  
 aaccttaag ggaacacctt gggg 624

<210> 147  
 <211> 599  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> (1)...(599)  
 <223> n = A,T,C or G

<400> 147  
 cgaggtacaa gctttttttt tttttttttt tttttttttt cttttttttt tttttttttt 60  
 tttttttttt tttttttgaa cncanacttt tttattggca tggntttgtt tnaaaaaaag 120  
 gaaaagnhnc aaanccaaaa nacanacttt gntaaccat ncctgggggn ggctggacnt 180  
 ttttgcttaa tgctgngcaa anagggggat cctggccan acatccngct gattccttgg 240  
 nacaaggttg tntgcctggg cctaantgcn cttttttgaa tacttgnttg caaaccacac 300  
 nttccanttt aatttccagg ggcagntnat naccctnnat ccactgggtc cagccacgcc 360  
 cntcntttta acccttttgc anacactgga gcttgntccg tcccagntca ctgngnatg 420  
 cncttgcggn catttatgcc tgtcaaacct ctaaaactcn ttcccacctg gaagccatgg 480  
 angtagttcc taaaaaggct caacnggcc aagaacaana tgggccccgg cctggacaaa 540  
 actttttggc ngggttaaac aagttggcna ttttcccaag gnccanttgc cttnnggcc 599

<210> 148  
 <211> 609  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(609)  
 <223> n = A,T,C or G

<400> 148  
 ggtacttaag taatccaaag ctgcattcct atctgcatga attagcatca taaatgcatt 60  
 ctttttgcaa cttgcattct tctcattcac cagaaaatca tgtatcagtt caggagcatc 120  
 aggtataaga tgttcaaaat ttctatagat ggtatagatg gccaaaacag catttcttct 180  
 aacatagctg tgtcgatgct ccaaacatgc acgaatagct ggcattaaag gttctagcaa 240  
 ttctgcttct ttcaatttgc aaagaaaacg aagagtagat cctcgaataa attcattagg 300  
 atgttgaaga tcctttctgt atgcatcaca tacaaggatc atctcatgta aaagtctccc 360  
 atctggagtt gttttaggaa caatttccca aaataccaga agtaatttct tgatagtgtg 420  
 atcctgaaga aggtagcaca naacgaatgg atggatcatca gaaagtnacg gaagtttttc 480  
 accaattcag aatcataatg gattaccttt cttcaaagct tcagtctttg actttacttc 540  
 ttcctttttc taaaatcatt ttttaagctt aatttccaaa tgggnggggtc ttgaatccat 600  
 gggcncgtn 609

<210> 149  
 <211> 589  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(589)  
 <223> n = A,T,C or G

<400> 149  
 actcaggtag aaccatcatg aaaatgaccc acagtgaact tatggaaaag ttcttaacag 60

|             |            |            |            |            |             |     |
|-------------|------------|------------|------------|------------|-------------|-----|
| attattttaaa | tgacctccag | ggtcgcaatg | atgatgacgc | cagtggcact | tgggacttct  | 120 |
| atggcagctc  | tgtttgtgaa | ccagatgatg | aaagtggcta | tgatgtttta | gccaaccccc  | 180 |
| caggaccaga  | agaccaggat | gatgatgacg | atgcctatag | cgatgtgttt | gaatttgaat  | 240 |
| tttcagagac  | ccccctctta | cgtgtttata | acatccaagt | atctgtggct | cagggggccac | 300 |
| gaaactggct  | actgctttcg | gatgtcctta | agaaattgaa | aatgtcctcc | gcatatttcg  | 360 |
| ctgcaatttt  | ccaaacgtgg | aaattgtcac | cattgcagag | gcagaatttt | atcggcaggt  | 420 |
| ttctgcaagt  | ctcttggtct | cttcttcaaa | gacctggaac | cttcaaccct | gaaagtaagg  | 480 |
| agctggtaga  | tctggtagaa | ttcacgaacg | aaatcaaact | ctgctgggct | cctctgtana  | 540 |
| gtgctccacc  | cagtgattgg | cctagacact | ctgggagcaa | ctggccccc  |             | 589 |

&lt;210&gt; 150

&lt;211&gt; 353

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 150

|             |            |            |             |            |            |     |
|-------------|------------|------------|-------------|------------|------------|-----|
| ggtacaaaaga | aatttttgat | agcaaaataa | aggaatcttt  | acccatagat | atagatcagc | 60  |
| tatcaggaag  | ggacttctgc | cattcaaaga | aaatgacagg  | aagtaacact | gaggaaatag | 120 |
| actcaagaat  | ccgagatgca | ggtaatgata | gtgccagcac  | tgctcctagg | agcactgagg | 180 |
| agtctctttc  | tgaagatgtg | ttcacagaat | cagaactttc  | ccctatacga | gaggagcttg | 240 |
| tatcttcaga  | tgaactgcga | caagataaat | cttctgggtg  | gtcatcagaa | tctgtgcaaa | 300 |
| ctgtcaatca  | ggctgaagta | gaaagtctga | cagtc aaatc | agaatctact | ggt        | 353 |

&lt;210&gt; 151

&lt;211&gt; 492

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(492)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 151

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| ggtacctact  | ggtgctgaaa | aaaggaaaat | tccggcttga | aggaaaggag | tttagaactc | 60  |
| tgaaaaatttg | gtgacattgt | ttttccctga | aagaaatgtg | tgttggattt | aacagatgaa | 120 |
| attatctgcc  | ctccaaaagt | cctttagaag | agccagtgcg | aggctgaaga | ccaaagcgtc | 180 |
| aagaacacgc  | cagactctca | gcttcctctg | ctttgctcct | ttgttgagga | aatgcaaatg | 240 |
| caaagagctt  | cccgttaaaa | acaaggagtg | tctgagagcc | acgtgttcaa | cacgcttctc | 300 |
| ctgctgctga  | ccccctctga | cctgcagagg | cagtgcagac | ccaacagggt | gcgccaaggc | 360 |
| gcccgtcaca  | cgctcacgtc | ctctggccag | cagccacgtt | tattgaagga | gtgtggcact | 420 |
| gcccacatt   | ggatatgcc  | tcggccatga | aggattccag | tggttcacgc | tgnccagtat | 480 |
| atacaaaaat  | gt         |            |            |            |            | 492 |

&lt;210&gt; 152

&lt;211&gt; 597

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(597)

&lt;223&gt; n = A,T,C or G

```

<400> 152
ggtacataag cctaaacaat ttcacctagg taaaatattg atgtcataac caaactatat 60
ggccccgttt cataaagggtt actatattct atagagagtg aagagggtggc ctttctatcc 120
cagcttaccc tattcttggtt attgttcaaa ttctcctgaa gcttgcataa cttagctgcca 180
tcaggtaaatt gctattggct agcagaagac tgcagttctg ttaatattag aaccagcagg 240
gggaacttgg gaacttgaca ttaaaaatct agaaacagaa ttttaggatg ggtctcgtaa 300
gaaacctgaa ttgttaatgg acttaagtaa aaaccatccc aaagaatttg agctttaagg 360
tgataaccgt cttttcagag atcatagcac atgaagaacc catggacact acacagacta 420
tgaaccggta gcagaaaaag atctcgtgac taaagtgggg gatgacagca aaaaaaaaaa 480
ttaccaaagg aaaaaagttg agaatncagg aatattacca gatggtaaaa aatattatct 540
tangccaaat gaggcccttc ggattcccaa accttgcttc ttctcctttc gtcttgn 597

```

```

<210> 153
<211> 596
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (596)
<223> n = A,T,C or G

```

```

<400> 153
actggttgct acccattttt tcaagtctag gtgatggctg ctccctttcca acttgcccttg 60
ttaaccagga tcctgaacaa gcatctactc ctgcagggtc gaattccaca gctaaaaatc 120
tcgaaaacca tcagtttctc gcaaagccat tgagagagtc ccagagccac cttcttactg 180
attctcagtc ttggacggag agcagcataa acccaggaaa atgcaaagct ggtatgagca 240
atcctgcatt aaccatggaa aatgagactt aactcttcaa gcaagataaa ttcatacttt 300
ataaaaagta caatgctgta gatggatgga agagggttcc cacaggaagg tgccaccagt 360
cagtttgctg ctagtccct ttggctggaa atgcagaata tgaattgatt aagttctctt 420
ccaagccatt gcttaaaata taacatgttt tgggatccaa tacacacatt ggtacaacta 480
acacaaatct ctattaaata ttaaaagtag ttctgggtta ttaatcaacg gggaaaacat 540
tttttccaaa aaaacttgga ataaatccan ggaccagttt tancccaata tttggg 596

```

```

<210> 154
<211> 297
<212> DNA
<213> Homo sapiens

```

```

<400> 154
ggtacccagt ttcaaagctc tctgggtttt tctaagaaat gaagcaagga taggaacccc 60
ttctcccaga acaggcctca aatctatctt caaagggtgac ccagcaatca gtgtcaatgc 120
ctttactgta gttaacctgg taatttcatt ctttagtctc tccaagaaaa tctgaagtgt 180
attaggcaag tcagaacca aattgtctcc aagggttgcaa ataatttgtc ccatacagga 240
aatagccctt tccttgactt cctgatcaat gtcagctgct ttaatctct taatgg 297

```

```

<210> 155
<211> 594
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc\_feature  
 <222> (1)...(594)  
 <223> n = A,T,C or G

<400> 155  
 ggtacttgaa ggagaacagt ttacatcggg cgtaggccac cttgcaggag gagactactg 60  
 tgtctctgaa tactgtggac agcattgaga gttttgtggc tgacattaac agtggccatt 120  
 gggatactgt gttgcaggct atacagtctc tgaaattgcc agacaaaacc ctcatcgacc 180  
 tctatgaaca ggttggtctg gaattgatag agctccgtga attgggtgct gccaggtcac 240  
 ttttgagaca gactgatccc atgatcatgt taaaacaaac acagccagag cgatatattc 300  
 atctggagaa ccttttgccc aggtcttact ttgatactcg tgaggcatac ccagatggaa 360  
 gtagcanaga aaagagaaga gcagcaattg cccaggcctt agctggcgaa gtcaagtgtg 420  
 gtgcctncat ctgcgtctcat ggcattgctg ggacaaggcc tgaagtggca gcacattcag 480  
 ggattgcttc ctccgtggtat gaccatagaa tttgggttcga ggcaaggcac tgtcaaagat 540  
 gtggaagaag aaaagtgtct acacactgag caggcttata agttnngcag aaan 594

<210> 156  
 <211> 294  
 <212> DNA  
 <213> Homo sapiens

<400> 156  
 acaggatgca gtttctcagc tggattctga gctgatggac ataactaagc tttatgggga 60  
 atttgctgac ccattttaaac ttgcagagtg caaacttgca ataattcatt gtgccgggta 120  
 ttcagaccct atattgggtg agacactttg gcaagatata atagagaaag aattgagtga 180  
 cagtgtgaca ttgagctcct cggatagaat gcatgctctt agtctcaaga ttgttctcct 240  
 tggcaaaatt tatgctggca caccacgctt ctttccttta gattttattg tacc 294

<210> 157  
 <211> 527  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(527)  
 <223> n = A,T,C or G

<400> 157  
 ggtactgatt gtcatactga ctttggcatt ggcagctctt atattccgac gaatatatct 60  
 ggcaaacgaa tacatatttg actttgagtt ataatatggg tttgtgactt atgagctgtg 120  
 actcaactgc ttcattaaac attctgcatt ggggtataatc taagaattgt ttacaaaaag 180  
 attattttgt atttaccctt cattcctttt tttgatcctt gtaagtttag tataaatata 240  
 tctagacatt cagactgtgt ctagcagtta cgtcctgctt aaagggacta gaagtcaaaag 300  
 ttccctgtct cactatttga tctgctttgc agggaaataa cttgnttttt ctcatgtttc 360  
 atcttctttt tatgtaaatt tgtaatactt tcctatatgg ccctttgaaa tttttggata 420  
 aaagatgatg gtttaagtgc caatgagtat tactaggtac tcaataccac ttattggagt 480  
 cctggcceng ggcgggcgnt tcgaaanggc caaatncagc accactg 527

<210> 158  
 <211> 617  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(617)  
 <223> n = A,T,C or G

<400> 158  
 ggtactgaaa aagaggcgtg aggtgctccc tgtggatata accaccgcta aagatgcatg 60  
 tgtcaacaac agtgctctcg ggggagaagt ttatcgatta ccgcctcaga aagaggagac 120  
 acagtccctgc cctaacagtt tagaagataa caacttgcaa ttagaaaaat cagtttctat 180  
 acacacacca gtagtcagtc tctctcctca caaaaatctg cccgtggata tgcagctgaa 240  
 gaagggaaaag aaatgtgtga aactcatagg agttcccgtc gacgctgagg ccttaagtga 300  
 aagaagtggg aacaccccta actctcccag gtcagtgtcc tcttttcctc caggcagcca 360  
 gcagacctct ccattctctcc tctctcgctg catgaactgt gctgnetgnt tctttatcta 420  
 ctttcttaca attgcatgca gtataattcc tcagtttcat ctacctacct tcaacttttn 480  
 cagaacttta agaaagactt aaactgattg caangggaaa ggactcttgg aataaggcaa 540  
 tcncattaaa aagttacncc tttctgggtt catgaaaagg atntcncagt ttaccccatn 600  
 tttgaaaggt ttatnng 617

<210> 159  
 <211> 1002  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1002)  
 <223> n = A,T,C or G

<400> 159  
 ggtaccagct tacctatttg attcagttgc tgttttctca ctctctatat ccatttgaaa 60  
 ttgatttatt ttagatgttg tatacttacg ttaggctttc tggttaatagt ggtttttctc 120  
 ctgttgacag agccaccgga ttatgacaca ggatgaggaa gattaaggat aatcaattga 180  
 ctaatttcat ttagaatatt atcaaacatt tcaactaggt atcagaaaaa ggctttcctt 240  
 cataagacta ttttaaataag aaattatttc aacaattaaa gtaatgttga ccatccccc 300  
 ctcagctgaa taaagaaaaa tttagttcaa ttatttgcaa ttaattaca atactacct 360  
 cacaacattt tcatgtgttt taaataaata ttttttaatt ggctaaagga cattcaagca 420  
 aagaaatgct ttctttactt aaaatgtcta tctcatttgc tgctttttca ctaagccttt 480  
 actttgttaa taaaagtgtc cattgtgtga tgtttttgat ttacagttt gctaaatctt 540  
 attttcttgg agttgctttt tggtaacagc tccattgcta ctccccattt tattggttta 600  
 catcaatgca tgcttcgttg tgatccctca agatgtaaca cttggtatgc tcgngtgagg 660  
 atatgaaaaa atactttccg aaaccaggga attcagtgga tgnttggtt atctggttgg 720  
 ataagaaaag tagggncag ccttaagcag nacagaagcc nctggtanaa gcatagtcag 780  
 ggaactttt ttaattcntt tangnctaag ggncaggagt ggattnnaaa gggaggagag 840  
 cccttattat ggcctatncc ccgntttgga gaagancctt actgggaacc tggcccggcg 900  
 ggccgttcaa aagggcgaaa ttccgncacc tggngggccg gttcttaagg anccnactt 960  
 gggcccaaan nttggggaaa nnnngggcna aannngntcc cg 1002

<210> 160  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(434)  
 <223> n = A,T,C or G

<400> 160  
 ggtacaagtc atcanggtca gcattctccc actttcaagt gcactaacia ggctgctggg 60  
 atttccactg gagtgtcaac agcagtattc ttgttgccagg aactctcaga atttgggggt 120  
 ccataacagg tttagcctat gacccagggtc caaaaggtcc agccttctct gccacctcca 180  
 gagctagctt caggttcttg tcaaagagct cacacctgat aggcatttct aaggaataga 240  
 atggattctt gagggcaaaag tctgagtaaa tctcataaat ctttcggaga agagaatcta 300  
 ttccagcttg cctaggatct gctagaacca caaacttgat ccctgtcagt gtctggtagc 360  
 agtgcaattt gaatgtgtct gtctncagca tctcaatgcc tgagcttncc tgttcangag 420  
 acagntggna gcc 434

<210> 161  
 <211> 652  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(652)  
 <223> n = A,T,C or G

<400> 161  
 acagactcca aggggaagact ggggtccaaa gccacatgcc tttgttggca gcgtcaagag 60  
 tgagaagact tttgtggggg gtctctttaa ggcaaagtc gagaacagga aagctactgg 120  
 gcatagtccc ctggaactgg tgggtcactt ggaagggatg ccctttgtca tggacttgcc 180  
 cttctgga aa ttaccccgag agccaggga ggggtcagt gagectctgg agccttcttc 240  
 tctccctcc caactcagca tcaagcaggc attttatggg aagctttcta aactccaact 300  
 gagtccacc agctttaatt attcctctag ctctcccacc tttcccaaag gccttgctgg 360  
 aagtgtggtg cagctgagcc acaaagcaaa ctttggtgag agccacagt catcactttc 420  
 cttgcaaagt ttcactgaca gcagcacggg ggaagcatc tcgctccagt gtgcgtgcag 480  
 cctgaaagcc atgatcatgt gccaaaggct cggtgcgttc tgtcacgat actgtattgg 540  
 accctcaaag ctctgtgtat tgtgccttgg ggtgagataa taaattatgg ccatgggaaa 600  
 caaannanan nnnnnnnnaa aaaaaaagct tgnaccttgg ccngnaccac gc 652

<210> 162  
 <211> 638  
 <212> DNA  
 <213> Homo sapiens

<400> 162  
 ggtacttgaa gatttgcata aagccaacat tcgcaccgtc atggtcacag gtgacagtat 60  
 gttgactgct gtctctgttg ccagagattg tggaaatgatt ctacctcagg ataaagtgat 120  
 tattgctgaa gcattacctc caaaggatgg gaaagttgcc aaaataaatt ggcatatagc 180  
 agactccctc acgcagtga gtcattccatc agcaattgac ccagaggcta ttcgggttaa 240  
 attggtccat gatagcttag aggatcttca aatgactcgt tatcattttg caatgaatgg 300  
 aaaatcattc tcagtgtatc tggagcattt tcaagacctt gttcctaagt tgatgttgca 360  
 tggcaccgtg tttgcccgtg tggcacctga tcagaagaca cagttgatag aagcattgca 420  
 aaatgttgat tattttgttg ggatgtgtgg tgatggcgca aatgattgtg gtgctttgaa 480  
 gagggcacac ggaggcattt ccttatcgga gctcgaagct tcagtggcat ctccctttac 540

ctctaagact cctagtatatt cctgtgtgcc aaaccttatc aggggaaggcc gtgctgcttt 600  
aataacttcc ttctgtgtgt ttaaattcat ggcattgt 638

<210> 163  
<211> 1002  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (1)...(1002)  
<223> n = A,T,C or G

<400> 163  
acatatataat atatatataa aatgaacata gttcatgctt tcagataaaa tgagtagatg 60  
tatatttaga ttaatttttt tagtcagaac ttcattgaaat ccacaccaa ggaaaggtaa 120  
actgaaattt cccttggaca tatgtgaaat ctttttgtct ttatagtga acaaaggccag 180  
agcatctttg tatattgcaa tatacttgaa aaaaatgaat gtattttttt ctccaaagaa 240  
cagcatgttt cactcaatgg tgaaaagggt gaaacattta tgtaacttta tgtgtatctg 300  
tcttgatc tactgacatt gtctatatga ggaaaatgat tactgggtcat gctcctgtga 360  
gttttttggg aaggtaggggt catttctccc tgctgtctt gtgccaacta gcatgttgca 420  
tctacatgca ttatgagtct ggtaggcat tactttaaac atacataaag agacagtagg 480  
acattgtggc tgagtctacc cagctcaagg taaaggagaa tattgctaatt ttttagcaa 540  
actagaccag cattattact caaactaaaa atatcacacc tgaaaaattt aatttaggac 600  
ctaaaatgtc tagattagct ttctgtcttt tttatttgaa taactcattc agttgtgaat 660  
gaattcctct ttaattgggt ccacagtcac caaatgacaa ggatttgcca cttcccccc 720  
aaatnggagt gcttgtaatt taggctctct accntnaaat cagtntaagg gaaccgtaat 780  
tatgatggat tttttccaag atgaccagct ggggtgaaaa ccatttttct ttggccaatg 840  
gcaaaactaa taagctttta aaacttcccc tttatgggga aagtttttaa actgggaaag 900  
gttangaacc naccngtgga aanccntgga agggaaaaaa anaaaggggn ccttggncgc 960  
gaacaccctt aaggggaatt canccattg ggggccttcc nt 1002

<210> 164  
<211> 572  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (1)...(572)  
<223> n = A,T,C or G

<400> 164  
acagcatgca tttacaacca gcgctgatct agtctatttt gtcataataa cttgaataca 60  
aaaatccaat ttaaataaga ctagacttac tataatagta aacaaacaaa aacaaaaaac 120  
aaaaaaaaaa aacacacaca gtagacttag ttgtactg attaatatta agagtaaact 180  
catcctgtcc cctcttaata ctctactgca atttattgat ggctagaata ttactgact 240  
taaaaaagggt attaaatact tgtatcatga aattacattc ttattaacaa taagacatac 300  
tgtgtaagaa aatagctcat gtgtgaaatg tgtctgaaat gcattttttc cttacaacta 360  
tcanaacatc cactcacact aaaatgaaac cactcccaac cccccctgaa aaaatgttna 420  
gggaagacng ggtgggctgg gggaggagca aggggaaggaa aagatttagc tatactaatt 480  
acagcacagt gattaacaat gggtcaggac agaaccaaca gaattnggca aaaaannngcc 540  
ctttaacat ggntaccatt aaaaaccaac nn 572

<210> 165  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(594)  
 <223> n = A,T,C or G

<400> 165  
 ggtactggcc tcctggcaact ctgctttttc actgactggc tactgaagag caaggcagag 60  
 ctgggtggca tctcagaact ggcactctgga cctccctaac tgggccccgc tgggtcccatt 120  
 tgctcattag aatttcctct cacatcagtg ggatacagaa ttcagtttct cccttgccag 180  
 gtcccttggga tgggtgaccc ctgcctctgc agtagccttt tgtgagtctg ctaaggtagc 240  
 tctcacacac ctcggtctctg gggttgatac ctgagcctac aatagagccc tgaaatcaag 300  
 agcatagctt gagtgtgtga atatgatgtg tgcacatgct taatgagcgt gcaagtgtgc 360  
 acacgtttgt ggagaggagg gtgttctggc ctgagaagggt aaagaaggagg catgtccagt 420  
 atgcttttga ggggtgtgtt gctcttttcc atgcccagtc aaccagatt ggggtggagc 480  
 aggaaggagc tcttttctgt tcccaagcct cagaactctt gagctgtggc ttacttgctg 540  
 gcttcatcag gttcaagctn cgtgggccac actgctgctg ngccaagaag gtgt 594

<210> 166  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<400> 166  
 gcgtcgcggc cgaggacta taatggctcc catcttaatt tgaaagcgtt tgagaatctt 60  
 ttaggacaag cactgacgaa ggcactcgaa gactccagct tcctgaaaag aagtggcagg 120  
 gacagtggct acggtgacat ctgggtgctc gaacgtggag aatttcttgc tctccaagg 180  
 caccataaga gagaagattc ctttgaaagc ttggactctt tgggctcgag gtcattgaca 240  
 agctgctcct ctgatatac gttgagagg gggcgtgaag gttttgaaag tgacacagat 300  
 tcggaattta catttaagat gcaggattat aataaagatg atatgtcgta tcgaaggatt 360  
 tcggctgttg agccaaagac tgcgttacc ttcaatcggt ttttacccaa caaaagtaga 420  
 cagccatcct atgt 434

<210> 167  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<400> 167  
 acaaagttaa gtttagccct tttctagaaa gtgatcttta aaattaaaat tgctcctctt 60  
 ttaaattcac caaatttatg tgtgggaagg caccaaaatg attttgtaag tgccactgca 120  
 atattccctt tcaagtgtgg cctaaatttc aatcttaagg atggaatgca tgtctgctcc 180  
 ttgttctgaa aaatataggc atctactaca ttttaaaaca cagtgaaca tatacataag 240  
 cctataaaaa aagattttgtg caatttgaaa gcttgtaaat tttttatgta gacataccta 300  
 cacacgaaag ggttaaattc acagccttac tagttccctg cttccagtat ttcaattggg 360  
 ctccctccct cattattatt attactacta gtacc 395

<210> 168



<211> 683  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(683)  
 <223> n = A,T,C or G

<400> 168  
 ggtacgggtat tctaatcaat gcatttgaaa agtcagcaaa agcccacatt aattcctatt 60  
 acgcttggtt cttgggttcaa tctcagcact ttcagcggct cttgtgcggc gattctgtct 120  
 tggacttatt tctgtgtctt gaagatcgtt tttatgtgat gcttcccagg ctctctcttc 180  
 ttctaaaaga tctcttatga tgtctgaact ggaactattg catgaatctg attctgatga 240  
 agaaagaact tcttgaatat caatacagct agaagaatcc tcttctctgt cagggtccaa 300  
 ttctctctggg gagtccagct ttgattgaga aaagtgggtt gttactgagg tcatattatc 360  
 ttctgtctcc atgcatacag aagatagctt ttctgtagat tcatctctt ttgttattgt 420  
 tactgttttt tgtgacattc cagcaatttt cttgtatcct tttctagcct gatccaccag 480  
 aagctgaaat tcaactcttat gttttttacg atatttactg tggatttcat ctatttcctt 540  
 ttctgnttgg tcctttgtaa aaaccattac actttcattg agtttactag cttcaagacg 600  
 catcctagtc ttctctatat ttctgatttc tcgaactatt tcagcagctg atttaggatg 660  
 caaagcatcg cattgggcat tgt 683

<210> 169  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(408)  
 <223> n = A,T,C or G

<400> 169  
 ggtacctttc tgaccacaat gaaataaacc tagaaatcaa taacaagagg aactttttaa 60  
 gcagcacaaa taaatggaaa ttaaaataaca tgattctgaa tgaccaatgg gtaatgaaga 120  
 aattaagaaa caaaatttaa atgtcttaaa atgagtgaag acagaaacac aacatataaa 180  
 aatgtatggg atgcagcaag agcagtttta agaggggaagt atttagtaat aaacacctac 240  
 atcaaaaaca agaaagatct ggctgggcaa ggtgggtcac acctgtaatc ccagtgtctt 300  
 gggagcccaa ggcaggagga cgacttgatg ctgggtcaag accagcctgg gccatatata 360  
 tagcaagacc ttatctctaa aaaaaaaaaa nanaaaaaaaaa aagcttgt 408

<210> 170  
 <211> 566  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(566)  
 <223> n = A,T,C or G

<400> 170

|             |            |             |            |             |             |     |
|-------------|------------|-------------|------------|-------------|-------------|-----|
| ggtaccaaca  | cagccaaaga | ctgtaagaag  | gtagctgaag | tcctctgcca  | aataggattg  | 60  |
| aaaagctaaa  | atctttctct | gtttctttct  | taagtaacaa | ctggtctatt  | caagctcaac  | 120 |
| cagagcatat  | aagagaaaaa | actgactaac  | gagggggtct | taaagagctt  | tgaaggacag  | 180 |
| tttctagaaa  | gtagaaagat | cactgagtaa  | attactgcac | ctcctctacc  | ccacaaaaaa  | 240 |
| aaggggtgagg | atgaatgtaa | aagtgtagag  | caagctttca | gacaacttca  | agtttgtttt  | 300 |
| tggcgcttcc  | gtttgtaagc | aatcaagatg  | gtgagagacg | ctatcccaaa  | gaagaaagtc  | 360 |
| tgtaggaacc  | agagtagctg | agcccagacca | cttgatgatg | ctttatgctt  | gcacaataact | 420 |
| atggcataca  | aggactctnc | cacatgaatc  | agccaggcaa | gccaatatccc | attgcaaagg  | 480 |
| anggtgtgat  | ggnggggcac | caagtacctg  | tccgggcggc | cctttaaaag  | gggaaattcc  | 540 |
| ccacttgggg  | gcgggnttta | gggnac      |            |             |             | 566 |

<210> 171  
 <211> 562  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)... (562)  
 <223> n = A,T,C or G

|            |            |             |            |            |             |     |
|------------|------------|-------------|------------|------------|-------------|-----|
| <400> 171  |            |             |            |            |             |     |
| ggtacctttg | caagcaggtg | gccagtaaag  | ctgaggagaa | tctgctcatg | gtgctgggga  | 60  |
| cagacatgag | tgatcggaga | gctgcagtca  | tctttgcaga | tacacttact | cttctgtttg  | 120 |
| aagggattgc | ccgcattgtg | gagacccacc  | agccaatagt | ggagacctat | tatgggccag  | 180 |
| ggagactcta | taccctgatc | aaatatctgc  | aggtggaatg | tgacagacag | gtggagaagg  | 240 |
| tggtagacaa | gttcatcaag | caaaggagact | accaccagca | gttccggcat | gttcagaaca  | 300 |
| acctgatgag | aaattctaca | acagaaaaaa  | tcgaaccaag | agaactggac | cccattcctga | 360 |
| ctgaggtcac | cctgatgaat | gcccgcagtg  | agctatactt | acgcttcctc | aagaagagga  | 420 |
| ttagctctga | ttttgaagg  | gggagaattc  | atggccttag | angaagtaaa | gccangagcc  | 480 |
| cccaaagtgc | ttggacnaac | ttctcaataa  | ctggcttttg | agctgtacct | gtcccgggng  | 540 |
| ggcnctttaa | aangnnnaat | tn          |            |            |             | 562 |

<210> 172  
 <211> 617  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)... (617)  
 <223> n = A,T,C or G

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 172  |            |            |            |            |            |     |
| acggtagaac | tgctattatt | catectatgt | gggtaattga | ggagtatgct | aagattttgc | 60  |
| gtagctgggt | ttggtttaat | ccacctcaac | tgcttgctat | gatggataag | attgagagag | 120 |
| tgaggagaag | gcttacgttt | agtgagggag | agatttggtg | tatgattgag | atgggggcta | 180 |
| gtttttgtca | tgtgagaaga | agcaggccgg | atgtcagagg | gggtgccttg | gtaacctctg | 240 |
| ggactcagaa | gtgaaagggg | gctattccta | gttttattgc | tatagccatt | atgattatta | 300 |
| atgatgagta | ttgattggta | gtattggtta | tggttcattg | tccggagagt | atattgttga | 360 |
| agaggatagc | tattagaagg | attatggatg | ccgttgcttg | cgtgaggaaa | tcttgatggc | 420 |
| agcttctgtt | ggaacgangg | tttatttttt | gggtanaact | gggattaaaa | gctacatggt | 480 |
| taattctaag | gccactcagg | ntaaaaaanc | nngcgagctt | aaccctttga | aaaangnggc | 540 |

ccccntggcc cgaaacnccc ttaaggggca attccancaa cntggngggc gttattangg 600  
gateccgactt gggcccn 617

<210> 173  
<211> 232  
<212> DNA  
<213> Homo sapiens

<400> 173  
ggtaccagat gctagctggg cctgggtgggt atccacccag acgagatgat cgtggagggga 60  
gacaggggata tcccagagaa ggaaggaaat accctttgcc accaccctca ggaagatata 120  
attggaatta agctttttgta aagctttccc aaatcctttc atcattctac agttttatgc 180  
tatttggtga aagatttctt tctcaagtag tagtttttaa taaaactaca gt 232

<210> 174  
<211> 987  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(987)  
<223> n = A,T,C or G

<400> 174  
gcgggccgang tacttcacca tcaactgactc catggacttg atcagccgcc gctggatgta 60  
tccagtctca gcagtnntga cagccgtgtc aatgagcccc tcacgacccc ccatggngtg 120  
gaaaaagaac tcagtgggtg tgaggccggc taggtaggag ttctccacaa agccacggct 180  
ctcaggcccc tagtcatcct tgatgaagtg aggcactagt ccggtgcttg aagccaaatg 240  
gaatccgctt gccctcgacg ttctgtgtgc caacgacagc gatgacctgg gagatgttaa 300  
tcttggaacc tttagctccg gacacgacca tanacttgaa gttgttgtat tcanacaggg 360  
atttntgagc agaggagcca gtcttgtctc gggcatcggt aagaatgcgg ttcacctgat 420  
tctcaaacgt ctgccgcaga gtgttccctg ngnggggctc cagctcattg ttgngngcct 480  
tctcgatgac ctctattacg tctgtcttgn ncttcttaat agtgttctga atgtcctggg 540  
aagncttaga atcagcantg gngtcccaan gcccatactt tgacctatag acagggaaaa 600  
acatcagcaa accccttttg acctctaata nacatggaat ggaattataa ccccagagta 660  
taancanggg caccanattc aaggaggaaa gaaanggatn gtangacagn aagaagttnn 720  
agaantcnnn nagacggctt ggaccctgnc cggcngggcg ttcaaanggc caattccann 780  
ccactgggtg ccggnacttn tggaaccgnc ttgganccaa acntggctaa aaanggccnt 840  
agcnggttcc cgggcttaaa tggnatncgn tcccaattcc ncccaaatta cggcccgnaa 900  
nccttaancn aaaancccg ggggcctnan gaanggnnta acnccntta aatgggttng 960  
cncaaggcc cnntttcaan tngggan 987

<210> 175  
<211> 574  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(574)  
<223> n = A,T,C or G

```

<400> 175
actccccgcc cctctgaaa gcatgtcaca tcatgtaaat ttgcttctaa catctgcttc      60
aaactgtctc tggactccaa atttggatgg gtcagcctct gcagaaagtt tgtgttgaga      120
tgctggaaga acagcagagc ctctgcacc ctcagcaagg gaccagctcc caaaggaaaag      180
gtccttgtgt gacatttgga gaatcttctt tcatccagac aactctactc gaagcaagac      240
gaaagcagga tgtggcagtt gcagtggaga aggaaaggaa agatgggcag actctgcttt      300
ctggaaatct cttcacaagg tagagctcat gaactctgtg ctgtcttctg gtaacatata      360
atcagtgttt gtattcatgg tgtggcacat ggatccatgg cattgggtta atctggtggt      420
ttttacacat ggtcagaatg tgttcaaata catctcatga tggagacagt ncccaaggta      480
aatggttggt ttcagcattt taaaaaagac tcccttaaca tttatctcag aatcatgagc      540
ccttcttcta gttgacaatg gcaatgggtcc cccn                                574

```

```

<210> 176
<211> 570
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

```

```

<400> 176
ggtacagata ttcattcagg agctccagga aactggattt gctctctaga gggcagctca      60
aagggcccat tcactcacia tccaccaaac ggcattcctg gcctccggtc acagcctcag      120
ccacggaagt cctgcagggt ttgtcagtct gtgggggtga gtgccctaac accatgaact      180
gcccactgct cccagaaaga aagaagaact tggaatatga gactcccag gtctcctgac      240
cctcttctct cttggaatga gaccaggtta gtgctcaggg gatttctggt gttggccatg      300
gacaagcaac cagttagtgg ctacttttag ggacgcaaac cacaaagccc acctcaggaa      360
gccaaatttc aactcttgcc ctggggcaaa cttctagcaa ccaggccaga ggcaaatgtc      420
agacaggata agggatgaca tnccatcaat caaagttgna aatgggaagg gacccancca      480
gtttgnaata aaggcnttaa actnngnacc tggcccggtc ggcggtttaa aggcgaattc      540
acacactggn gggccgtcta agggatccca                                570

```

```

<210> 177
<211> 621
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

```

```

<400> 177
acagaagagg atgaagaaga ggatgaagag gaagaagaag agtcttttat gacatcaaga      60
gaaatgatcc cagaaagaaa aaatcaagaa aaagaatctg atgatgcctt aactgtgaat      120
gaagagactt ctgaggaaaa taatcaaata gaggaatctg atgtgtctca agctgagaaa      180
gatttgctac attctgaagg tagtgaaaac gaaggccctg taagtagtag ttcttctgac      240
tgccgtgaaa cagaagaatt agtaggatcc aattccagta aaactggaga gattctttca      300
gaatcatcca tggaaaatga tgacgaagcc acagaagtca ccgatgaacc aatgggaaca      360
agactaacta tttagaaaca tttaagatgc cagtatttta catacaggtt ctggnnttta      420
acactggatt aaaacttttt gngntaaata aaaaatggga ccttttaggn ttttaccag      480

```

```

gaagaaagcc aaggtttggg aaaaattaaa aggtanccct tggggccggg gaanccacgg 540
ctttaagggg ccgaaaattt ccaagnacaa ccttggccng ggcccggnta ncttaaaggg 600
ggaatnccca agaccttng g 621

```

```

<210> 178
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

```

```

<400> 178
actccttcct gagccgctgc aataagcttt ttgctgtgga atatgacgac agctagatac 60
tgtccctgcc acaagagctt ctggttataa atagacaaag actctaattt ctaattgacc 120
tcttttcttt ttcaggttta tacataaatt ttcgtcacct ttataaacag cgcagacggc 180
gctatggaca aaaaangaaa aagatccact aaaaagaaag atttagatgg cttcttgcca 240
gtttgagcct aatctgattc ttacagtttt accttcttga accaatgtaa aagttttttt 300
aatgttaaat gattaaattc tcagtgaggc tatcttcctt tccccagta acattcctga 360
atttactgnt accttattgt aagtacctcg gtcgtgacca cgc 403

```

```

<210> 179
<211> 650
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(650)
<223> n = A,T,C or G

```

```

<400> 179
cgaggtacaa gctttttttt tttttttttt tttttttttg agccaaccag ctaaaggatc 60
actgcagcta aatacagata gagaagcaac aaagccaggc aaatacccat cagagacagt 120
gacaagagca gctggggggc cgggggaggc agaaggaaga gaaagaaggg gaggagcctc 180
cagagtccca gcccccaacc cctctgccat tggctaccct tgctccccac aaatccctgg 240
ggttgaagtg aggaggacta caggctgggg tgaaaataca caaggacagc ccaacaaaat 300
acaacaagga ctagcatcag tctccccctt actccacccc caagaaaaat acccttattg 360
ngactagtat ttatgaaaat ctgtaagaga ctattctatg tagtggctct aatcccatat 420
cacagcaact gcctgngttg ggaacttttc aaatcagtga tttgcgggaa ccaaccggat 480
tttcagcttn ttacggngca tgcagcttta ccaaaacttg ggtaaagncc agncacattt 540
accttctgct tacatntaaa aagggtgang aaagagggaa gggaaaaagg ggttaagggc 600
taggtaaact tactggtnag cagctanatt caccatgggc nttttttggg 650

```

```

<210> 180
<211> 639
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

&lt;222&gt; (1) ... (639)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 180

|             |            |            |            |             |            |     |
|-------------|------------|------------|------------|-------------|------------|-----|
| acatacggct  | gtgcgataca | ccagcattga | attggttgga | gagatgagt   | aagtcgttga | 60  |
| tcgaaatcct  | cagttccttg | accctgtgtt | gggctatttg | atgaaaggcc  | tgtgtgaaaa | 120 |
| gcccctggct  | tctgctgcag | ccaaagccat | tcataacatt | tgctctgtct  | gccgagatca | 180 |
| catggctcag  | cactttaatg | gactcctgga | gattgcccgc | tccctcgatt  | ccttcctgtt | 240 |
| gtctccagaa  | gctgctgtgg | gcttgctaaa | agggacagca | cttgtcctag  | cccgattacc | 300 |
| tttgataaag  | attaccgaat | gtcttagtga | actatgttct | gttcagggtta | tggcattgaa | 360 |
| aaagctgttg  | tctcaagagc | ccagcaatgg | catatcctca | gatccacagt  | gttcttagat | 420 |
| cgccctgcag  | tgatatttag | gcataccaat | cccattgtgg | aaaatggaca  | gactcatccg | 480 |
| tgtcagaaaag | tcatacagga | aatatggnc  | gtttatccga | gactctaaat  | aagcaccgag | 540 |
| ctgataatcg  | gattgtagag | cgtgttcaag | gtgcctgcgc | tttgtggtcc  | tgngaagcna | 600 |
| angactgaac  | actgtgcagc | nctagtcac  | aatgnga    |             |            | 639 |

&lt;210&gt; 181

&lt;211&gt; 644

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (644)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 181

|             |             |             |            |             |             |     |
|-------------|-------------|-------------|------------|-------------|-------------|-----|
| acaagagagg  | ttccaggagg  | gggtgatagg  | cagaattttg | gtcccatca   | ccttcctgc   | 60  |
| ccagtgttat  | gcctatgaat  | gtgttacatt  | atgtggtaaa | agggactttg  | cagatgtaac  | 120 |
| taaaatttct  | aaaatagaga  | tattatcctg  | gattacctgg | gggaaccag   | tgtaattaca  | 180 |
| tgaaccctta  | aaaatggaag  | aggatgcagg  | agtcagattc | aaaggaaggc  | ccaagggtgct | 240 |
| attgctgact  | tgaagataga  | ggggccatgt  | ggaaatcaag | agaagggaagt | gaatccttcc  | 300 |
| agtgaagcttg | gaagagagca  | ccttgaggca  | cagatgagaa | gcttggcctt  | acctgatgcc  | 360 |
| ttgattttag  | cctgggtgaga | ccccagagcat | ataaatttgc | tgtgctatgc  | cacacttctc  | 420 |
| acctacagaa  | acttagttta  | aagccactaa  | gtttgtggta | atttgggtggc | tttagggccc  | 480 |
| ttgagggtag  | agatttatgg  | cttgtgttac  | aagtagaaga | gcagtggaaa  | agttgggctt  | 540 |
| tggttaattct | ttcaagggtg  | aattgtagtt  | ctgggagtcc | tatctanctt  | gggntcagaa  | 600 |
| cnttggtggg  | cangncctgc  | tggggacttc  | ctggtttaac | cttg        |             | 644 |

&lt;210&gt; 182

&lt;211&gt; 609

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (609)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 182

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| ggtacagaaa | agtcagatca | aattggatat | gtagacattg | ctaaggattt | tgaactctaa  | 60  |
| gggcattgat | aagctactca | agggttttta | gtaggggagt | gacttgatta | gacttattta  | 120 |
| tttgttgaaa | agtctgtgtg | gctggtgtgt | ggaaaataga | atggattgaa | aagggaactca | 180 |

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| agtggagcat | caagactcag  | ttaaggagtt | aatctaggtt | ggaaataatt | gtagcttagg | 240 |
| cctggatgct | ggcaataggg  | aaggggatgg | attcatgaaa | gaatgggata | cttgagaaga | 300 |
| aatatttctg | tgctggagaa  | gtagattggg | gaagttcatg | gcataaacat | tataatggat | 360 |
| gctatgggca | tagataacat  | aaacatgtag | agaaagtaaa | ggtgacctag | ggcagaagcc | 420 |
| ttaggaaccc | aaaattttaag | agtagactga | agagaaccgc | tgtagaagtg | ggaggaaanc | 480 |
| tgctcgtgtg | ggtagacaag  | gagaccnttc | aaaaggatca | tcattacagt | naaaagctgg | 540 |
| caactcggcg | tcttggtgaa  | agtnccctgc | cgcggccgtc | naggnatca  | gccatgcgcc | 600 |
| gtcttaggn  |             |            |            |            |            | 609 |

<210> 183  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

|            |             |            |            |            |             |     |
|------------|-------------|------------|------------|------------|-------------|-----|
| <400> 183  |             |            |            |            |             |     |
| ggtactcatc | ctttgccagc  | aaagatgcac | aactataact | atggtggtaa | cttacaggaa  | 60  |
| aatccgagtg | gccccagcct  | catgcatgga | cagacctgga | cttctcctgc | ccaaggacct  | 120 |
| ggatattcac | aaggatacag  | gggacatatt | agcacatcaa | ctggcagagg | cagaggcaga  | 180 |
| gggttaccat | actgagtatc  | tgtttttctc | caggcacatc | atttttatct | ggaaagactt  | 240 |
| ttctagctgc | aattttaaggc | agcaatccaa | gagacttgaa | taataataat | tcaacaacag  | 300 |
| ctttattttt | atgtggagaa  | gggtcttgca | tacaatagtt | taaaaaagac | aaaaaaaaacc | 360 |
| tttgcttaaa | ttcatgctgt  | tctaaaaact | agatcgattg | t          |             | 401 |

<210> 184  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 184  |            |            |            |            |            |     |
| ggcggcgcat | ggaggtcagc | ggtggtgctc | gctgcggttt | ggaatcactt | gctaggagtc | 60  |
| ttgtctctct | gccacccagg | acatcatggc | agctcacctg | gtaaagcgat | gcacgtgcct | 120 |
| cctgagagaa | gctgctcgtc | aggcccctgc | catggctcca | gttggccgac | tgagacttgc | 180 |
| ctgggtagcc | cataagactc | tgacttcttc | agccacctca | cccatttccc | acctcccagg | 240 |
| ttccttgatg | gagccggtgg | agaaggaacg | agcatctact | ccctacatag | agaagcaggt | 300 |
| ggaccacctc | atcaagaagg | ccacaaggcc | agaggagctc | ctggagctac | ttggtggcag | 360 |
| tcacgacttg | gacagcaatc | aagcagcaat | ggtactaccg | gcgctacaaa | gtgaagtcgt | 420 |
| acc        |            |            |            |            |            | 423 |

<210> 185  
 <211> 669  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(669)  
 <223> n = A,T,C or G

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| <400> 185  |            |            |            |            |             |     |
| accgcgagct | tgtccccatc | ctcatattca | tccaggcaaa | tggcacagac | atcatactgg  | 60  |
| tctcccttct | gatagtcatg | tgtaggaatc | tgtttcagtt | gctctttggt | aagtcgattc  | 120 |
| cgctggagcc | gtttccggtg | ctggatacaa | cgagctatca | ttactgctcc | catggccaaa  | 180 |
| accagcagtc | ccacaatccc | tgtgaaaggg | atgaggtaat | agcccaaggg | gaagggtattg | 240 |

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| tctggaacca | gaagcaccgc | agcccccttc | tcttagacaa | agagggcacg | caggtacaaa  | 300 |
| gagagaaatt | ttaaagctgg | gtgtcagggg | agacatcata | tgctggcagg | ttctgtgatg  | 360 |
| ccccctaagc | ccgtaaaacc | agcaagtgtt | tattagtgt  | ttccaaaagg | gggaagggag  | 420 |
| tgtatgaaat | aggggtgggt | gtcacaagag | atcacatgct | tnacaaggta | ataaaaaatat | 480 |
| cacaaggcaa | aatggaggca | gggttgagaa | cacnggacca | cattgaccaa | gggcgaaatt  | 540 |
| aaaaattgtg | aagtgaagtt | cnggccacgc | antgncantg | atacatctta | tcaggagaca  | 600 |
| ggntttgaga | gcngaccanc | agtctggnc  | aaaattaata | agtgggaaat | ttcttggcct  | 660 |
| aataagccg  |            |            |            |            |             | 669 |

<210> 186  
 <211> 638  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (638)  
 <223> n = A,T,C or G

|             |            |            |            |            |             |     |
|-------------|------------|------------|------------|------------|-------------|-----|
| <400> 186   |            |            |            |            |             |     |
| ggtacatgtg  | cggtggcatt | atggatcgat | ttttacaggt | tcagccagtt | ttccggaaga  | 60  |
| agcttcaatt  | agttgggatt | actgctctgc | tcttggcttc | caagtatgag | gagatgtttt  | 120 |
| ctccaaatat  | tgaagacttt | gtttacatca | cagacaatgc | ttataccagt | tcccaaatcc  | 180 |
| gagaaatgga  | aactctaatt | ttgaaagaat | tgaaatttga | gttgggtcga | cccttgccac  | 240 |
| tacacttctt  | aaggcgagca | tcaaaagccc | ggggagggtg | atggtgaaca | gcacgcttta  | 300 |
| gccaagtatt  | tgatggagct | gactctcatc | gactatgata | tgggtgcatt | atcatccttc  | 360 |
| taaggtagca  | gcagctgctt | cctgctgnct | canaaggctc | aggacaagga | aaatggaaact | 420 |
| taaagcagca  | gtattacaca | ggatnncag  | agaatgaagt | attggaagca | tgacgacat   | 480 |
| ggccaaaaat  | gtggtgaaag | aaatgaaaac | ttacctaaat | catcgccntc | aagaataaagt | 540 |
| ntgcagcngc  | aactcctgaa | natcacttga | cccttagntg | accttaaagc | ccgnaaanac  | 600 |
| cttgccctccc | ccggaaggaa | ggcctaggtt | cccgggcc   |            |             | 638 |

<210> 187  
 <211> 628  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (628)  
 <223> n = A,T,C or G

|            |            |            |             |             |            |     |
|------------|------------|------------|-------------|-------------|------------|-----|
| <400> 187  |            |            |             |             |            |     |
| ggtacataga | aattcattga | ggtatataga | tactcatctg  | tctaggcagt  | tcccaatttt | 60  |
| ctgaagaatg | ttttacagca | aaattttcta | ttttctttta  | ttaaatagtg  | acacgtcaaa | 120 |
| caatgtcaca | tccaaaacac | tagtttcac  | aattttctagc | agtaataata  | gacttgctgt | 180 |
| aagtattgtt | ttctgatgcc | atacccttgt | catacatatt  | attaaatgac  | caatattatg | 240 |
| tatgaagtag | acaaaaaaat | ttactcaaac | ttcattcaaa  | tcctaattgt  | gataattttt | 300 |
| gttttatatt | taattataaa | ccaaaataca | tttgcathtt  | taagctaatt  | tgtctcaaaa | 360 |
| ttttgcttta | tatttttgga | tcagggttaa | gtcctgggga  | tcccctgaat  | gttattgccc | 420 |
| tcttggattg | gtttttactt | ctgagctata | ccgtcaaaag  | acacataagc  | ttcaaaagtc | 480 |
| aagacaaacc | tcatttgcca | taaaaatcaa | gatatagatg  | tctgggtccga | aactncttga | 540 |
| aaaacatttt | aagcatcaat | atgactgggt | ccatgaactt  | aagtacttct  | taatgagtat | 600 |



tctttctgaa gctgaaagaa gattgttt

628

<210> 188  
 <211> 654  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(654)  
 <223> n = A,T,C or G

<400> 188  
 cgaggtacaa ggtggactgt gcatgcctca aagaaaaccc agagtgcctt gttctaaaac 60  
 gtagttctga atccatggaa aatatcaata gtggttatga gaccagacgg aaaaaagaat 120  
 aaaaagacaa agatatttca aaagaaaaag atacacaaaa tcagaatatt actttggatt 180  
 gtgaaggaac gaccaacaaa atgaagagcc cagaaactaa acaaagaaag ctttctccac 240  
 tgagactatc agtatcaa atcaggaac cagattttat tgatgatata gaagaaaaaa 300  
 ctctatttag taatgaagta gaaatggaat cagaggagca gattgcagaa aggaaaagga 360  
 agatgacaag agaagaaaga aaaatggaag caattttgca aggcttttgc cagacttgaa 420  
 aagagagaga anagaagaga acaagctttg gaaaggatca gcacagccna aactgaagtt 480  
 aaaactgaat gtaaagatcc cagattgcag tgatgctgag ttatttanga acnagccata 540  
 gaagaaaatg ctagcagcca acccctgcca agtaatatag taancgggga aaagttttct 600  
 cgagtaggac tacttggcag caccgtcgga gaccngactg tcacatggtt anan 654

<210> 189  
 <211> 650  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(650)  
 <223> n = A,T,C or G

<400> 189  
 ggtactttta gataattgta ttgatctttt ttcagattcc ttgtattttt aataaagtaa 60  
 tcttaataaa aactcagata ggtaaagtgt tagaaatttt aaacagctta cattgttagc 120  
 gtaaagttat cttttctttt ttctaataca gagttcttga ccctttgggt attgagttta 180  
 aaacttcaat tgaaattcaa tagtattttat tttttaaaaa aatcactaaa ctgtgcctaa 240  
 agaacataac tgccatatta atgttttggg ttatatcctc tatagtaata gaaaaacatt 300  
 taatacttgt aatgctgatg tgtaattttg ataccagttg agtagaatgt gatcaatcca 360  
 gtttacaatc tatcatgagt attattaact aaaatctatg tgcttttcaa taggaatcat 420  
 tcttctcttg ctgnaacact tgccttaact tttangaaag nggtcatttt taaactgcac 480  
 tggnaagggt gaaagttang actcttggat ttgngaccg naatctgaag ccgaatantt 540  
 aaagggagaa aaagaaacca ggtctttttg ccaaaggctg ggaacctat tcanctttgg 600  
 gnaagtaatt ggatatncca agggtgggan gacaagtctg aaaatcacng 650

<210> 190  
 <211> 699  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(699)  
 <223> n = A,T,C or G

<400> 190  
 accagctcta atctgtggcg tccagttttc tttctttttt tttttttctt ttttaatgtc 60  
 aaagtgaatg tctgaagtgt tgtctttttt tctttgtcct ttccatctg cttcattctg 120  
 tggggataaa atacttgtgt ttaatcagaa caactggaac gcattgagga agggatggac 180  
 caaatcaata aggacatgaa agaagcagaa aagaatttga cggacctagg aaaattctgt 240  
 gggctttgtg tgtgtccctg taacaagtag gtgctgcctg cctgcctgaa gctttgattt 300  
 cccaaggccc atctccaagc cttgacaaag ctcatctcctg ccaagctcat aggcaggatg 360  
 aagcatgtgg catgcaaaaa cagatcaata cccgcttcaa tgcattcatc tcatagcata 420  
 gaagatatta accaggaagt tactgggtga tgcanttaaa aaatcaaggc catacctaca 480  
 ggtggaaaagc nttcacntgt cagcnaacnt ttaattggat gaaccgggtt caaccatttt 540  
 nccaaaaaag gtgtacctgg ggnaagggg gtgggcccag tggcccccac gtgggacctn 600  
 ttgaaaatga aaagggtggt tcntttccac tgggcccctt gggccttggt aaccaagncc 660  
 tcttccgcgg gggcaaggca antanccttg gcccggnan 699

<210> 191  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(378)  
 <223> n = A,T,C or G

<400> 191  
 acaaagattc cagacagact ttgttttttg gcttataaca atgtgtagat actacacaaa 60  
 gaatgaggat gtaattttca tttacaagca aaatgtgacc aaaatccctt ttcttcttaa 120  
 aattgaaaaa tgaaattctt gagaatacta attagtgcag gccaaatctt agactatttt 180  
 aaattagcca tggttaaaca taggtgagtt aaacattgtg cctttccaaa attaaggttt 240  
 gcagttagaa acataaacat ttgataaaac ttctcaaaat taattatgag tggcttattc 300  
 atgtcccttg gattccagac acacactana aaaagtaaac gttaaagagg tgatattttg 360  
 gaaagcatcc ctagtacc 378

<210> 192  
 <211> 624  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(624)  
 <223> n = A,T,C or G

<400> 192  
 acagtaaaaa gtaaaacttc ctccatccca ggccctgccag catccctgat gccgactttc 60  
 tgggtgtggc ctaggggccc tcagtgtaat gtagggggtg tgagcacaga ctttgggtgcc 120  
 agtttgctag gttcgaatcc tgactccctc tttgtagctc tgtgcttcaa ttgaaatact 180  
 gtgcctcagt ttctccttta taaaggcagg gatcatgaga gtgcctgtcc cttgtgagca 240

|             |            |             |             |             |            |     |
|-------------|------------|-------------|-------------|-------------|------------|-----|
| ctatgaaagt  | gtagctgtt  | ctttaccaga  | ataaatgcat  | ttctatatct  | tcccatatgc | 300 |
| atTTTTgttaa | TTTTtaaagt | atttcaaaca  | caaagtTTTga | aacagaaaaat | tgtgtaacat | 360 |
| taactatgaa  | cttaccaccc | agaattttaca | aatgctgaca  | TTTTgcaata  | tttatttcgg | 420 |
| atctattttt  | aaggggggga | accctgcagt  | tactgcttaa  | tcctctttcc  | accccaacct | 480 |
| tttattttta  | cacaaggagc | catagtggtc  | atacttaagc  | tatttttttc  | agtaactnaa | 540 |
| tatatTTTgg  | aaganctccc | tcctaggnc   | tanaagcttt  | gncccttttt  | tttacagtgg | 600 |
| taaacctttt  | ggactaaagg | gcng        |             |             |            | 624 |

<210> 193  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| actgctactt | ctataaacgg | acagccgtaa | gactaggcga  | tcctcacttc | taccaggact | 60  |
| ctttgtggct | gcgcaaggag | ttcatgcaag | ttcgaagggtg | acctcttgtc | acactgatgg | 120 |
| atacttttcc | ttcctgatag | aagccacatt | tgctgctttg  | cagggagagt | tggccctatg | 180 |
| catgggcaaa | cagctggact | ttccaaggaa | ggttcagact  | agctgtgttc | agcattcaag | 240 |
| aaggaagac  | ctccctcttg | cacaattaga | gtgtcccat   | cggctccag  | tgcggcatcc | 300 |
| cttcttgcc  | ttctacctct | gttccacccc | ctttccttcc  | tttccacc   |            | 348 |

<210> 194  
 <211> 627  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (627)  
 <223> n = A,T,C or G

|            |             |             |             |            |             |     |
|------------|-------------|-------------|-------------|------------|-------------|-----|
| ggtaccttct | cagccagctg  | cagcaaagcc  | aaatggcaga  | gaagcagtta | gaggaatcag  | 60  |
| tcagtgaaaa | ggaacagcag  | ctgctgagca  | cactgaagtg  | tcaggatgaa | gaacttgaga  | 120 |
| aaatgcgaga | agtgtgtgag  | caaaatcagc  | agcttctccg  | agagaatgaa | atcatcaagc  | 180 |
| agaaactgac | cctcctccag  | gtagccagca  | gacagaaaca  | tcctcctaag | gatacccttc  | 240 |
| tatctccaga | ctcttctttt  | gaatatgtcc  | cacctaaagcc | aaaaccttct | cgtgtttaaag | 300 |
| aaaagttcct | ggagcaaagc  | atggacatcg  | aggatctaaa  | atattgttca | gagcattctg  | 360 |
| tgaatgagca | tgaggatggg  | gatgggtgatg | atgatgaggg  | ggatgacgag | gaatggaagc  | 420 |
| caacaaaatt | agttaagggtg | tccaggaaga  | acatccaagg  | gtgttcctgc | aagggctggg  | 480 |
| gtggaaacaa | gcatgtgggt  | gcaggaagcc  | aaaagtccaga | ctgtgggtgt | ggctgggtgct | 540 |
| tgtgancccc | ccaagtgtng  | gacccgccgc  | caaggcaagg  | aaaccttggg | ccctttttaa  | 600 |
| cgggcccnng | aattcccaag  | gttcntt     |             |            |             | 627 |

<210> 195  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

|            |            |             |             |             |            |     |
|------------|------------|-------------|-------------|-------------|------------|-----|
| ggtacaattc | cacttatcca | tactattcct  | ttataaaaagg | cagattttcag | gtaagcttct | 60  |
| aaatgcatgc | gtaatgtaga | ggctaattatt | ttctggcagt  | ccttggttcc  | tgaaatttga | 120 |
| acttcatatg | tgttttaa   | ttttgtcaaa  | atagtcatga  | aagatatgtt  | atttttgc   | 180 |

|            |            |             |            |            |             |     |
|------------|------------|-------------|------------|------------|-------------|-----|
| aatgaggtaa | tatatcaggg | gcggggcactc | ataagacagt | ataaatccac | ttgtcctaaac | 240 |
| ttgcatgagg | ctgtgtgcat | tgtaaaatgc  | cataaagagt | tttgggtcag | tgaatatttt  | 300 |
| gctgaaggaa | taacacttac | atttaactga  | gcacttttct | gtaataaata | ccaaagtagg  | 360 |
| tttttgtagc | tgtaaactgt | gtacctgccc  | gggccggccg | ctcga      |             | 405 |

<210> 196  
 <211> 658  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (658)  
 <223> n = A,T,C or G

|            |            |             |            |             |            |     |
|------------|------------|-------------|------------|-------------|------------|-----|
| <400> 196  |            |             |            |             |            |     |
| ggtgaaagga | gttaaaacgc | ccagtgggtca | ttaagtga   | catcttttat  | caacctgcaa | 60  |
| aagctgcagc | gttctctgcc | aggtcaaatg  | ggcatgttta | gaaaataaga  | gaagatggct | 120 |
| gagtatagtc | aatgaataaa | tgggtgtttc  | tttagaaaat | taaacacaca  | cagagtgtaa | 180 |
| gaggagagga | tacggccctc | cctgaaggat  | aaagtccacc | tggacgggtgc | cctgccctcg | 240 |
| cttctcacat | taactgcccc | ggaatgtcat  | gctgattggt | tcccgggaagg | gtgtttggca | 300 |
| agggggcagt | tatggagcta | cgtgtagaag  | gagagaaatt | tgtgtgtggc  | ttttgtaaat | 360 |
| tttgaccgat | tgcagcaatt | aaataagtgt  | attactgngt | tgatttaaat  | acttatgaaa | 420 |
| gctttcaaga | cnaaaaataa | acctttcacg  | ttacccccaa | annaaaaan   | tnnnnttta  | 480 |
| nataaaaaaa | acttggancg | gnatgnggtt  | tcttggaana | agtttggtat  | ccatttgcna | 540 |
| aattcttcnt | tttnggtttt | aaaattgaac  | ncagggnatt | ggggggancc  | nttttgga   | 600 |
| aancccataa | gcttgggttt | cttgnnnaaa  | ctttgnaant | tngccccngg  | nttaattn   | 658 |

<210> 197  
 <211> 615  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (615)  
 <223> n = A,T,C or G

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| <400> 197  |             |            |            |            |            |     |
| ggtacagaga | aagaaataaa  | agatactgag | aaagaggtgg | atgacctaac | agcagagctg | 60  |
| aaaagtcttg | aggacaaagc  | agcagaggtc | gtaaagaata | caaagtctgc | agaggaatcc | 120 |
| ttaccagaga | tccagaaaga  | acatcgcaat | ctgcttcaag | aattaaaagt | tattcaagaa | 180 |
| aatgaacatg | ctcttcaaaa  | agatgcactt | agtattaaat | tgaaacttga | acaaatagat | 240 |
| ggtcacattg | ctgaacataa  | ttctaaaata | aaatattggc | acaaagagat | ttcaaaaata | 300 |
| tcaactgcac | ctatagaaga  | taatcctatt | gaagagattt | cggttctaag | cccagaggat | 360 |
| cttgaagcga | tcaagaatcc  | agattctata | caaatacaat | gcacttttgg | aagccnggtg | 420 |
| tcatgaaatg | aaacccaacc  | ttcgggccat | cgcagagtnt | aaaaaggaag | gaagaattgn | 480 |
| atttgcaccg | gtagcagaat  | tggccaaaat | acttntgaag | ggaccgggtt | agacaaaaaa | 540 |
| anaannntan | aaaaaaaaann | nttnacttgc | ccgngggccc | ttnaangggg | attcncccat | 600 |
| gggggccttt | tangg       |            |            |            |            | 615 |

<210> 198  
 <211> 557

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(557)  
<223> n = A,T,C or G

<400> 198  
 gggacctgca gttggtattg atcttggcac cacctactct tgtgtgggtg tttccagca 60  
 cggaagagtc gagataattg ccaatgatca gggaaaccga accactccaa gctatgtcgc 120  
 ctttacggac actgaacggg tgatcgggtga tgccgcaaag aatcaagttg caatgaaccc 180  
 caccaacaca gtttttggatg ccaaacgtct gattggacgc agatttgatg atgctgttgt 240  
 ccagtctgat atgaaacatt ggccctttat ggtggtgaat gatgctggca ggcccaagggt 300  
 ccaagtagaa tacaagggag agaccaaaag cttctatcca gaggaggtgt cttctatggt 360  
 tctgacaaag atgaaggaaa ttgcagaagc ctaccttggg aagactgtta ccaatgctgt 420  
 ggtcacagtg ccagcttact ttaatgactc taacgtcagg ctaccaaaga tgctggaact 480  
 attgctggct caatgtacct nggccgcgaa cacgctaagg gcgaattnca cacacttggg 540  
 ggncgtctan tggatnc 557

<210> 199  
<211> 498  
<212> DNA  
<213> Homo sapiens

<400> 199  
 acaatgatgc ttctcacagc ttcaaagaca tgtctgaggc atcctaactg cgaatcagcc 60  
 cataaaaaca aagaaggagt atttgaccgt atgaaagtgg cattggataa ggtcattgaa 120  
 attgtgactg actgtaaacc gaatggagag actgacattt catctatcag tatttttact 180  
 ggaattaagg aattcaagat gaattattgaa gctcttcggg agaatcctta ttttcagtcc 240  
 aaagagaacc tttctgtgac attggaagtc atcttggagc gtatggagga ctttactgat 300  
 tctgcctaca ccagccatga gcacagagaa cgcactcttg aactgtcaac tcaggcgaga 360  
 atggaactgc agcagttaat ttctgtgtgg attcaagctc aaagcaagaa aacaaaaagc 420  
 atcgtgaag aactggaact cagtattttg aaaatcagtc acagtcttaa tgaacttaag 480  
 aaagaacttc atagtacc 498

<210> 200  
<211> 615  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(615)  
<223> n = A,T,C or G

<400> 200  
 ggtaccctct cttccagcac ccaggccagt attgagatcg attctctcta tgaaggaatc 60  
 gactttctata cctccattac ccgtgcccgga tttgaagaac tgaatgctga cctgttccgt 120  
 ggcacccttg acccagtaga gaaagccctt cgagatgccca aactagacaa gtcacagatt 180  
 catgatattg tcctgggttg tggttctact cgtatcccca agattcagaa gcttctccaa 240  
 gactttcttca atggaagaa actgaataag agcatcaacc ctgatgaagc tgttgcttat 300  
 ggtgcagctg tccaggcagc catcttgtct ggagacaagt ctgagaatgt tcaagaattt 360

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| gctgctcttt | gggatgtcac | tccctcttccc | ttggtattga | aactgctggt | ggagtcatga | 420 |
| ctgncctcat | caagccgtaa | taccaccatt  | cctaccaagc | agaccacaga | ccttcactac | 480 |
| ctatcttgac | aaccagtctg | gtggncttat  | tcanggttat | gaagcgaccn | gccttgccaa | 540 |
| ggataccacc | tgnttggcaa | gttttaactn  | caggcttcc  | tctggacccc | aggngttccc | 600 |
| aaattgaagt | ccttt      |             |            |            |            | 615 |

<210> 201  
 <211> 256  
 <212> DNA  
 <213> Homo sapiens

|            |             |             |            |            |            |     |
|------------|-------------|-------------|------------|------------|------------|-----|
| <400> 201  |             |             |            |            |            |     |
| actgcacttt | ataaaagcat  | ggataaatatt | aaaggatcac | aaaaggcagc | attagcattc | 60  |
| tctatccagg | tattattaaa  | tctttttatc  | ccatgcccc  | ctcaaata   | ggagaattat | 120 |
| tatctgataa | gcctgaaacg  | acttttttta  | ataccataac | ctaaaaagac | acttcttaca | 180 |
| ggtgtatgca | actttgggtca | gcagaaacac  | aatacgagcc | tctggcctag | ctaaggcact | 240 |
| ctattctgaa | agtacc      |             |            |            |            | 256 |

<210> 202  
 <211> 584  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(584)  
 <223> n = A,T,C or G

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| <400> 202  |            |            |            |            |             |     |
| acttttcaat | ctgatccatt | atcttctcga | ctctttctgg | aggcactttc | ccacgagttt  | 60  |
| gcatectttc | ggccacattg | tggtagaaat | cctgagcaca | ctctgactgt | tcttcaatgc  | 120 |
| ttagatccct | tttgtaatgc | attccttcca | aaaacagctt | ggtctgttta | tagatttctt  | 180 |
| ggcctgtctt | gtggaaggct | ttgagaaatt | ctatgaactc | cttagacact | ctatccgttt  | 240 |
| caatgctggt | ttgccggttt | atggaaggac | tgggagcttt | tgcttcctga | atttctttct  | 300 |
| ttgatccgac | cctggaagaa | tgcactgaag | aaattcttca | ctgggggaac | cctgccgggtc | 360 |
| ttcttgntgg | gtttcttttc | ttcaaacttg | gaaaatgtna | aggattgggc | ccctgggtgg  | 420 |
| gttnactggt | ngcaaaggct | ttttttcttc | cctgaggcnt | tccgcagtcc | annctctgaa  | 480 |
| ttgntttgcc | tggettgnng | acctggccga | cacctanggg | aaatccacca | ctggggggccg | 540 |
| tctaagganc | cncntgggcc | aacttggggg | anntnggtan | nntt       |             | 584 |

<210> 203  
 <211> 608  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(608)  
 <223> n = A,T,C or G

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 203  |            |            |            |            |            |     |
| ggtactctta | tacacacctg | ttttctccaa | tggtctcctt | tagtatggct | ggtaattggt | 60  |
| ttggtgattg | ccacccctc  | gagatgcctt | gccataagt  | ctctgttggc | ctattttgaa | 120 |

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| aacacagaat | tctcatttag | ttttctacaa | aactttcttt  | acaaacacaa | actattaaat | 180 |
| ctacaaatct | ttgcatgcta | aataaaaagt | attaagatat  | tttagcacc  | attagatgct | 240 |
| actcataaat | catacatcct | agttcattta | taaccaccag  | tctatgttag | tataatcatc | 300 |
| ctatgattgt | aacatgcctn | aaacacttaa | ctccgaacac  | tttaatggaa | agcccataca | 360 |
| cacaatttca | gaacaggatt | gtatgttaac | aatgaatttt  | aataccactg | ctttataaaa | 420 |
| ttaagttaaa | tattcttacc | actgnaatct | gcataatcctg | nccatatcat | aggtcccata | 480 |
| ggtataccca | ggataaacat | attcggcata | gcactatggt  | ttgaacacct | ggcccggccg | 540 |
| gccggtncaa | aaggcgaatt | cancnactgg | nggccggtn   | natggatcca | ncntcgnacc | 600 |
| aactttgg   |            |            |             |            |            | 608 |

<210> 204  
 <211> 621  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(621)  
 <223> n = A,T,C or G

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| <400> 204  |             |            |            |            |            |     |
| ggtacctgaa | gatccttgatt | tgctacacga | gctttctcta | gggcattata | gtaagaaact | 60  |
| gcttctttct | ctcgctcctc  | tttttctct  | tttaagccgt | ctacctggcg | cattaggtta | 120 |
| gtaataagaa | gttctagctg  | ttcttgctg  | tattgtagtt | cattcacttc | ttctttgagg | 180 |
| gtggctctca | tactctccat  | ttctgtcagc | tcaatttgaa | gagccagcat | ctctgaagac | 240 |
| atgctttcct | gcacacgttc  | agacattacg | cgcagttcct | ctgatttaca | agagaggagt | 300 |
| tctttctgat | gatctacttg  | gtgcttcagc | tgcttttcac | taagcctggc | ttcatcta   | 360 |
| tccactttca | gtttttctat  | cttaagtttt | taagttcatt | cacttctctg | catggcttct | 420 |
| gcttagttgt | cttccnattt  | cttcaggtgc | atTTTTTggt | ggtggttaat | agcttcacat | 480 |
| tcgcaagctc | aaactttcta  | acattcgact | cttgagttca | acttctcttt | tgaangggat | 540 |
| attttcntgg | tcataactct  | tangcatngg | gcataattct | taccacatta | tccaatggat | 600 |
| ccggaattca | ntttgccctn  | t          |            |            |            | 621 |

<210> 205  
 <211> 607  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(607)  
 <223> n = A,T,C or G

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 205  |            |            |            |            |            |     |
| ggtaccacct | atcataggta | ttaccacaca | atttcatgca | tggtggcata | ttttaactgg | 60  |
| ccttggttcc | tatcttcaca | tccttttcag | tttgatata  | agaacacttt | acctgagata | 120 |
| taggccaaaa | gtgaagtttc | tctttggaat | ctggccagtg | atcctgtttg | agcctctcag | 180 |
| gaagcattga | tgaatcattc | caccaagaaa | acaaacaagc | acctaccata | gacctggcag | 240 |
| aataaataag | gaaatcetta | aagatctaca | agttcaaata | tgtcatgacc | atcacagcag | 300 |
| aggagtgact | ttctgactaa | tgctgccacc | cacacagaga | ataaggagta | gggcctgctg | 360 |
| ggtgttttag | tcatggcttt | atcttatttg | ccccctctc  | tttcacgctc | cagtttataa | 420 |
| aagaaacaga | gatgatgtgt | gtgtatgcct | caaaatgcag | aaacagggtg | gctttttcta | 480 |
| acanggtnac | agtttgtgct | gggtataaga | aaataaccct | ctttcttttn | gccaaaggtg | 540 |

catgtgaatt atcccttctt aanattgggt aaataagcan tnncttanag cccccaaanc 600  
nctntnn 607

<210> 206  
<211> 572  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(572)  
<223> n = A,T,C or G

<400> 206  
acgcgtgacg tcactcacat agcaggaaga ctcacaacct ccatccagaa gcaccatttc 60  
cccctccttg atgagttgat tatttttcac atagtgc aaa gtgtttgacc gattaccacc 120  
agccaccaca ggtggatagg ctaaaatgtc tgcgccacga gcccggcatt caaattcaaa 180  
cttagcataa agaaaggctt cttccacagg ggccttactg gtgaacatgg tttctatgaa 240  
agcctgtgat gtcagcttcc cagcaatctg cattcggttca atttctgcag gagacttgat 300  
cagccggagg cgctgtatca gctgctgaac accccgaacc ttgttcttgc tcttggtttt 360  
ggcctcagtc aggggctgca tatagtcaga gtgaagctgt gcatgtgagg gccttatcca 420  
ggtcatacca aaccatgttc gtctcagctt tcattttttg gtagaagatg ttgaaattct 480  
tctagcgtat aggcttcgtc tactccagtt agagctattg gttccatcag tgccagantc 540  
ngggaccatt ccaaaagggt tnnactnngg ag 572

<210> 207  
<211> 616  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(616)  
<223> n = A,T,C or G

<400> 207  
ggtacctgtc ccatttctaa aaggatttgt gggtaatgtt ggcacttggt ggccaggaga 60  
atcttctgac cccactctcc ctccctcttca gtcctgaaga cccaagaac ccagtttagga 120  
tcccctggcc agaggtctct gtgactgcct ctggactcag cacgtgcagc agcttgggag 180  
gatttgagcc agtctcaaaa acttttagcc ccagaatgag accagtgacc ccaagcagga 240  
gggctgggat ctggagggaa gagagggggt ccaaggggac cctgtggctg aggccatgga 300  
gaaccagtgc cagggcccaa gagaccatt tttccagtta tcagaggtga ctgacatctt 360  
ctgccactgc cttgagttca gaaatttaaa aaagcttgca gcaagaaaat gccagtgtgc 420  
aactgggtga ctaaagacca aagaaaaaca gttaaaaggg acagcttact tgctctctgt 480  
ctcangttta acttctcacc tgaaatctct nataccctaa ttaacacaac caaagtctct 540  
ttcatagata ggctactttt aagtttnact gcttctgtgg tgggctttgg gggcttttga 600  
agtgggaatt ttttgg 616

<210> 208  
<211> 614  
<212> DNA  
<213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> (1)...(614)  
 <223> n = A,T,C or G

<400> 208  
 acacaacgtc atgagggttat tcgaaccaca gcgtcttcag aactttcaga gaaaccagct 60  
 gagtctgtca cttctaaaaa gacaggaccc cttagtcccc agccctctgt tgaaaaagag 120  
 aacttggcaa tagaaagtca atcgaaaact cagaaaaaag ggaagatgtc tcatgacaaa 180  
 aggaagaaat caagaagtaa agccataggc tcagatactt ctgacattgt gcacatttgg 240  
 tgtccagaag gaatgaaaac cagtgcacatc aaggagttga atattgtttt gcctgaattt 300  
 gagaaaaccc acctagagca tcaacaaaga atagaatcta aagtttgtaa ggcagccatc 360  
 gccacatttt atgttaattgt taaagaacaa ttcatacaaaa tgcttaaaga aagccagatg 420  
 ttgacaaaatc tgaaaaggaa gaatgctaag atgattttcag atatcgaaaa gaaaaggcag 480  
 cgtatgattg aagtccagga tgaactgctt cggntagagc cacagctgaa acaactncca 540  
 acaaaatatg atgaacttaa agagagaaaag tctttccttt ggaaagcaca tattttcttat 600  
 ctaattttaa canc 614

<210> 209  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(610)  
 <223> n = A,T,C or G

<400> 209  
 aactgttttt gatggaagag gacattgtgg acacgaagta actggagatg gccttcagaa 60  
 tcagctgagc tgctgtctgc tttggaaaac cgttcctgcc gctgccgatg gatggaaatg 120  
 caatggattt cagcttctta tcatcagcca gggccaagca gtttttctact gtcttttcca 180  
 gaagtcttct acacttgtct gcaccccaaa ctggactatt acagtggatc acaaacttgg 240  
 caggcaggcc atggcctgcg ctgacagcag ctccagctac ttccaagggc ccgttctttt 300  
 tccggagtgc caggacagct tccacaaact ccttgccacc tttcttctcc agcgtgtttc 360  
 ctaggctcatc tttaaggtca atgtcagcat tggtaggatt gattatggcc tncacctcaa 420  
 aagcccggtt aaatactgat ttcactgnga ataanggtca actttttgggc canggaaaag 480  
 ctcttttggtg gaaaaggact gtgaaaaccn tnggcaagng ggccctcggg tgggcttttn 540  
 gggcttgntg genttaaggg antnancngn gttttnggaa ttccggncctc tttttggccc 600  
 cnggttttta 610

<210> 210  
 <211> 589  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(589)  
 <223> n = A,T,C or G

<400> 210  
 ggtaccagc tctaattact ggccgtagca gcatattgct taagaatttt gtagaactta 60

|            |             |             |            |            |            |     |
|------------|-------------|-------------|------------|------------|------------|-----|
| tttctcatca | gcagctgtcc  | aaaggactga  | taaatagaga | cagatcccag | tcctggatac | 120 |
| tttctgtaaa | tcctaatacgg | agactcactt  | ctcagcaatg | gaggctgaaa | gtcttagtga | 180 |
| gactcagtaa | attccttcag  | gccttggcag  | atggatccag | taggttgaga | gaaagtgaag | 240 |
| gacttcagga | acagaaaagaa | aatcccatg   | ccactagcaa | ctccattttt | atcaactgga | 300 |
| aggaacatgc | caacgaccag  | caacacatcc  | aggtttatga | aaatgggggt | tcacagccaa | 360 |
| atgtcagttc | acagttcagg  | ctacgggtatc | tgggttgagg | actgagtggt | gtggatgaag | 420 |
| gcctgncatc | tactgaaacc  | tgaaaggatt  | attgngataa | taattccttg | ntnaatgaat | 480 |
| gctggttgaa | ctgtacctgg  | ccggccggcc  | cttaaaggnc | aattcngcca | cttggggggc | 540 |
| gactaaggga | nccncttggg  | ccancntggg  | gnaacanggc | aannttgtn  |            | 589 |

<210> 211  
 <211> 590  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(590)  
 <223> n = A,T,C or G

|             |             |             |            |             |            |     |
|-------------|-------------|-------------|------------|-------------|------------|-----|
| <400> 211   |             |             |            |             |            |     |
| acgaactgta  | gcatcagcta  | caactgccat  | tgaaattcgt | aggcaatcca  | gtagttatga | 60  |
| tgattcctgg  | aaaataaacag | atgaacaaag  | acagtattat | gtaaatcagt  | ttaaaaccat | 120 |
| tcagcctgat  | ctaaacggat  | ttattccagg  | atctgcagct | aaagagtttt  | ttacaaaatc | 180 |
| aaaaacttct  | attcttgaac  | tttctcatat  | ttgggaactc | tcagactttg  | ataaagatgg | 240 |
| tgcattgaca  | ctggatgagt  | tttgtgctgc  | ttttcatctg | gtggttgcta  | ggaagaatgg | 300 |
| ctatgattta  | ccagaaaaac  | ttcctgaaag  | cttaatgccc | aaactgattg  | atttggaaga | 360 |
| ttcagcagat  | gttggggatc  | agccaggatg  | ggtaggttat | tcaggctctt  | ctgctgaact | 420 |
| cctncaagca  | agtcccacg   | atgccattac  | ttaaccgcac | ttggngctgac | tgaatcaaac | 480 |
| cntgaccatg  | ggaaacatta  | nngacgcttt  | ttaagctaca | aantttggnc  | ccattgggtt | 540 |
| taaatattggc | ccnattgnac  | cggaaaccgga | ntgggnattc | cgnnccattn  |            | 590 |

<210> 212  
 <211> 614  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(614)  
 <223> n = A,T,C or G

|             |             |            |             |             |             |     |
|-------------|-------------|------------|-------------|-------------|-------------|-----|
| <400> 212   |             |            |             |             |             |     |
| ggtacattcc  | attactaaat  | gccacataac | tgtttggata  | acataagaag  | agtgggtcat  | 60  |
| tatatgatac  | caattagaag  | atattagggg | tggtggaggc  | agtaatttct  | gggataagaa  | 120 |
| ctataatttta | cagaataaac  | agacatcatc | tgatctgggtg | aaacctgtgc  | attcccacaa  | 180 |
| ttaggctttt  | tcacactttc  | tctctttaaa | tgtgcaacac  | cttccccatc  | ccctctttac  | 240 |
| ttgtagcaag  | ttgattttgc  | ttcttatatc | ccgagaaaagc | aactaccacc  | aaatctacca  | 300 |
| gtcaactcat  | ctatatattga | acttaaagat | ctttatgtta  | gaatgggaatc | tatccatggt  | 360 |
| ccagcttagg  | cgaagccctt  | ctgaagatat | ccattccttc  | cttcctcatc  | aaattttcct  | 420 |
| tcttgactag  | gattaaaaaa  | attcaaccag | taggcataat  | ccgaaccttt  | ggngctcataa | 480 |
| tgaaaaggat  | agttaataag  | gctcatcaat | tgggccgnaa  | ttttgntttg  | ggtcaagngt  | 540 |
| tggccaaagc  | nmcnnaaang  | gccccanttt | tgggtaaaaan | tttttnaggg  | gttaaaancc  | 600 |

anggggntnc annn

614

<210> 213  
 <211> 624  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(624)  
 <223> n = A,T,C or G

<400> 213  
 ggtacctctc ttgtcatcaa attttgccca gttattttaat gttggattcc tcaaggctca 60  
 gtcagcacct tttaagccac tctaaactcc cactaatgga taagctcatt tacttccaag 120  
 gcttcaatgg tcacaatata aactgctgg ctctccaact tatttttcta taaaataaaa 180  
 aataataaag gaacaacgta tttttctatt caagactttt tatctgagct tcagatacat 240  
 atatccaatt gcttacttga catctccact tagaggccag aggcatttaa actcaatacg 300  
 tcttaattca atctcatgat cttccctctg aaatctaate tectactctt ccctatctta 360  
 atgaaagaca acaccatccg tccctttaca ttaagtgcct cagcttatcc ctacatctat 420  
 ctcatcacta aagaacaggt attttcaccc ttttgagtat cattcaaag ctttctactt 480  
 cttttccatt cntactggta cccccctang ggnaagntat taactttttc ctacctacng 540  
 ncccttttgn ancccttcca tcaantnttc cnaattgnga nggtnaattt tttnnaacccc 600  
 aanntggnga tacnnngtgg gnng 624

<210> 214  
 <211> 612  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(612)  
 <223> n = A,T,C or G

<400> 214  
 ggtacaagtc tgtaataacc ctatgtggtt tcattaggat aactttttac ctatccttga 60  
 ggtcatccat attcttacag gccttccagt caataatgga agagctcact ctatacaaaa 120  
 ccaatatgca aggcattgtt ttgtccaagc aattggatgt gtgcagtagc caatttcatt 180  
 tactgcatta ctctttggcc tggaaccct gtggtctgca ctacatgtga atggccttcc 240  
 acttcagtct taggcagatt tgacctttta ggggcagcaa tgctgaagga cacagcaatt 300  
 taaattataa tgtgtcagge tgtgttttca cttcaaacat gtatgagtag tcagctgtaa 360  
 ttagagaaat gatgacttcc taagagttca gccacgcata attctagatt tcaagagcat 420  
 ctaagacttg tggattacct catggcatga gagtttcaga ctcagccntn tgagccagtc 480  
 nagggaaagt ggagtctgca acgcaaataa aaacctggct ttggggccaa nggacttggc 540  
 tttaaatggg ccccttngg cctgggnttt cctcttttgg cnaaantttt ngtnnccaan 600  
 gaaagtaatn ag 612

<210> 215  
 <211> 618  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(618)  
 <223> n = A,T,C or G

<400> 215  
 ggtactcggg aggctgatgc agcagaattg cttgaaccca agaggcggag gttgcagtga 60  
 gctgagaacg tgccattgca ctccagcctg ggcaagagag cgagactcca tctcaaaaaa 120  
 aaggtgagaa agataggtgt gaacatgagg tggcaggtgt gaagatagga aaggcaggct 180  
 caccctgat gacatgcagt tagagagacg ggggcttccc ttctactttg gagagtaaag 240  
 agaaggctct gaggtatcaa cagcctgggc tgttgggaaa aggacaaaga atctgtgttt 300  
 cctgaacgcc aagaggaagt ctctttggtt gctgtgggct aactggtctc ctccagtctc 360  
 aagaggtcat ccacatatcc cacaacttct cctcatcat catccattat attttcctta 420  
 nccaaagtca tacaagcttc ntctggagtg gtggncacat ttaagaactg aactgnttta 480  
 agnctgggct ggaantgctc attcnaaggg ccccantggn cctnngggan ctngccngcc 540  
 ggcccnttaa aggcgaattc cancanntgg gggccgggtt tangggancc aacttgggnc 600  
 caacttggng aaatatgg 618

<210> 216  
 <211> 595  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(595)  
 <223> n = A,T,C or G

<400> 216  
 ggtactccca ttcagggtga cgaagtgggc agaactggga gccatcttgc ccagcccctt 60  
 ggtgctatgt ttaccttgaa gcaatccttc ggccttagga ttggcctcta gtagttcatt 120  
 acactgacct agagctacct ctgataagag cagcagtcct gtattcttta ggcgagaggc 180  
 aaagcagtaa ttggcactct tggaagacat gtcagcaaa tagattcctt tcccaaacat 240  
 gtaacctgtg atgggagctt cagggtggggc aattcgaagc ccatggctca agattcccac 300  
 ccagttactc atcctggaac catgccatag aagcatcctg ttatgaaggc cctctctgaa 360  
 ggcttctttc tcaccatcct tctcacttca aacaaatcca gcaagggtcat ggtataagtc 420  
 gctgtgtgtg ggaancatgg gtagaatgga aggtacctgg cccggccggc cnttcaaaag 480  
 ggccaaattc cagcacaatt ggnnggccgt tactaaggga tnccaacctt gggncccaaa 540  
 cnttggngga atcatgggcc naaactngtt ccctggnggn aaattgnaan cccnn 595

<210> 217  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(610)  
 <223> n = A,T,C or G

<400> 217  
 actgaaaact ttttttaaaa aaggtgatga tgaagtgcac tctgtagcag cagcgcagct 60  
 atgcttttaa ccacacaaaa ggctgtgtcc aggtgcagcc tccttcaccc ttctgcccc 120

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| cggtgaggat | tgaataacca  | ggacttgggg | atattgtttg | ttgtcagggt | tattctgtgt | 180 |
| ggtaaggaat | atgtgtttca  | catttatata | ttttcttttt | ccactcacgt | aagtttctat | 240 |
| cttgagagca | tagtccaaag  | tgcaaaactt | ggtgtttaca | aggaaaattg | tcttccagaa | 300 |
| ctccactgtc | atcactttca  | ccaaagtggg | agtttgcatt | aatatgctca | gaatctaata | 360 |
| ttcaatgttc | tgttacattg  | taagtgaagt | ccagctcaaa | atagatttaa | tatattgaat | 420 |
| ttatttgnac | cntnggccgg  | gaacacgcct | aagggcgaaa | ttncagcacc | actggccggg | 480 |
| cggttcctaa | ngggattccc  | aaactntggg | nnccanactt | nggcgnnaan | cnatngggcc | 540 |
| taaaacttgg | tttccccctng | nngaaaattg | ggttatnccg | gttacaaatt | ttccnncnaa | 600 |
| atttccgggg |             |            |            |            |            | 610 |

&lt;210&gt; 218

&lt;211&gt; 585

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(585)

&lt;223&gt; n = A,T,C or G

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| <400> 218   |            |            |            |            |            |     |
| gggtacaattt | gtaaatat   | caaaggtcta | ggagtcataa | ctttttgttt | tcatactgaa | 60  |
| aatgatgttg  | atcagagaaa | ccaactgttt | tgcttttcat | tgctctgtga | gaaatttgag | 120 |
| gattctgttt  | tgctgttagg | taagctaaac | tcagaaattg | aaaaggaaaa | gactggataa | 180 |
| acacaggatt  | ttcagtaaga | aaacaacccc | agtcttgtct | tagaagccac | ttgttgagga | 240 |
| gtctgttggg  | ggaaaaaaga | ggatatgctt | ttaaaggtag | aacaaacctt | cttctgtgtt | 300 |
| aaatcaaaaag | gatgttcaaa | atccaccagg | acagatgcta | cttgggttta | aatggagcca | 360 |
| tagatgatac  | aaagtcctct | tggggctgaa | aatcacttcc | tatttgcatt | gctttactaa | 420 |
| ctggtttctg  | ttttccatta | tctttttcac | agaaagtntt | tggtcaagat | tttttccagc | 480 |
| ctttnaaatt  | gaaaccgggc | agtantttga | cccctgnttg | gntatttntt | ccagnaattn | 540 |
| aaattgnatt  | cnctggntcc | aaaggcnnta | attccccctc | cttng      |            | 585 |

&lt;210&gt; 219

&lt;211&gt; 599

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(599)

&lt;223&gt; n = A,T,C or G

|             |             |            |            |            |             |     |
|-------------|-------------|------------|------------|------------|-------------|-----|
| <400> 219   |             |            |            |            |             |     |
| acaggtcaca  | gacccataca  | tcctactgtg | gcttgtgtct | ctttttccga | ggcacatcct  | 60  |
| caaccttgga  | aaaataaaact | tttaaattga | ttgagacttg | cctcagtgat | tttcttttgt  | 120 |
| gtatactctg  | tatcacttga  | atactttcca | agtgaagaca | tgctttataa | tccagagtat  | 180 |
| ggactgtttt  | ggccagatgt  | tttctatata | ctggaaagaa | atgtgtattc | tgctgttgtt  | 240 |
| gaatggcatg  | ttctataaat  | ctcaattaca | tcaagttggg | tgatagtctt | gatgtcttct  | 300 |
| atatctctgt  | ggattttcca  | tttgttctag | tgattattga | gagaaaggta | ttgatataat  | 360 |
| tgccctataat | tctggattta  | tctacttctc | tttggagatt | tctccatttt | tgcttcatgt  | 420 |
| atthttggaag | cccctacttc  | acccagcatn | ggncctttct | gagccccctc | caagaagtaa  | 480 |
| tttttaaccac | ccangnccca  | tccaacccct | aaccccaang | gnnaaccaac | cgnnngcgang | 540 |
| tnanttgggc  | ctaaccnggg  | gaacccattg | ggggnccctn | gggnattagg | ganaccnng   | 599 |

<210> 220  
 <211> 602  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(602)  
 <223> n = A,T,C or G

```

<400> 220
ggtacccatt taatataact atgatgcact taaattgaag ctatgccaca ggatagaaaa 60
tgaattacaa cttaaataca tggtggaagt gtaacactgt ttttcaaggt ttaaaaaaat 120
tcctaattgtc ttttagcctt ctttaatat ttttaggtaag gaaagtatgt ttggattttt 180
tcctctttgt aggtatatga gattgaaatg tgaagtattt ggacaacaaa cgtcaagcaa 240
tggaagccca ttttgatttc ttgagtaatc ttgtaagcat taagtgaatg acaaagtagt 300
agtgtaaact atttcttatg gtataacttc agtcaattaa tataaggata gtttttgttg 360
tatgtacact aagtggtaat ataatngcca ttgaantata ctaatcttct tcttaanaga 420
ctattcnnct nttaattgnt tcctaattggg aacantntng gcctaaccn gaaaaagggg 480
ganaaaggat tncctgccc nggcgggcn tttccaaagg ggcanatttn cgnnacctt 540
ggnngcccg tntctannng aatccnannn tgggccaan anttgggggg aatcttnggc 602
nn

```

<210> 221  
 <211> 573  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(573)  
 <223> n = A,T,C or G

```

<400> 221
acctaattgaa aagatctcca agaggtttgt ctcattctcc ttgggctgta aaaaagatta 60
atcctatatg taatgatcat tatcgaagtg tgtatcaaaa gagactaatg gatgaagcta 120
agattttgaa aagccttcat catccaaaca ttgttggtta tcgtactttt actgaagcca 180
atgatggcag tctgtgtctt gctatggaat atggagggtga aaagtctcta aatgacttaa 240
tagaagaacg atataaagcc agccaagatc cttttccagc agccataatt ttaaaagttg 300
ctttgaatat ggcaagaggg tttaaagtatc tgcaccaaga aaagaaactg cttcatggag 360
acataaagtc ttcaaagtgt gtaattaaag gcgattttga aacaattaaa atctgtgatg 420
tanggagtct ctctaccact ggatgaaaat atgactggga ctgcccttga ggcttggtac 480
cnttggcncc aancctttgg gaaccccaaa aactntggaa gagaannngg gttttcctgn 540
caggcaacat attgcctttg gcctnctttg ggg 573

```

<210> 222  
 <211> 168  
 <212> DNA  
 <213> Homo sapiens

```

<400> 222
ccaccatctt ggaacgggag gcggagcaga gtcgactggg agcgaccgag cgggccgccg 60

```

ccgcccgcacat gaaccccgaa tatgactacc tgtttaagct gcttttgatt ggcgactcag 120  
 gcgtggggcaa gtcctgcctg ctctgcggt ttgctgatga cacgtacc 168

<210> 223  
 <211> 564  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(564)  
 <223> n = A,T,C or G

<400> 223  
 actgcagaca aaatctgctt ttagaggcaa gcggatttct gacaaagtaa ctgacccctt 60  
 ggatggcata aattcacttt ggggactagc cttattcttc ctctgaggtc cttcgcttct 120  
 caattttattc aattcatcaa tcaaaagtgt tctcttccca gttgcaatta gaagaagtct 180  
 ttctgcttca gcttcttcta ggggcccttt tccatgttct tcatcaacac agcagtttaag 240  
 agcctggcta gcttgataga tcaactgtctg ttgcatattt atttcgttat tgagttcctg 300  
 ctttttctgt ttgatattaa cttgacaagg aaaggcatta ttttttcat ccagttttga 360  
 agtaacatct tccttccgaa caatcacctg ctttattgat ggacgttctg tttctttgaa 420  
 tctttgagat ctatatgcat caatgctgta aagaagatca cgatcttcag aaccaaggct 480  
 atcacnagat tcaggtcgag ggacacgaag ttctttingaa tttcctgggt ttggactttc 540  
 atcacttctg ctgngcttt caan 564

<210> 224  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 224  
 acaaggctgg cggttgttgg gggacggttg agccttggga gggagggtca gggctctggac 60  
 aggagccgcg gccgccagat gggaaagaac acgtgggagc agtaatgtca agtgacactt 120  
 aaacccttag acgccgattc gttataacgc gaggaatct aatcccacgt ccctaacggt 180  
 cttcggaagc gaagcagtg caacagtccc tggtaaacac aagtagtatt acaagtcggg 240  
 agctcttcaa gtcttgatg agactgtaga gcggacc 277

<210> 225  
 <211> 589  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(589)  
 <223> n = A,T,C or G

<400> 225  
 ggtacctgga ggctcaacgg cagaagcttc accacaaaag cgaaatgggc acaccacagg 60  
 gagaaaactg gttgtcctgg atgtttgaaa agttggctgt tgtcatgggtg tgttacttca 120  
 tctatctat cattaaactc atggcacaaa gttatgccaa acgaatccag cagcgggtga 180  
 actcagagga gaaaactaaa taagtagaga aagtttttaa ctgcagaaat tggagtggat 240  
 gggttctgcc ttaaattggg aggactccaa gccgggaagg aaaattccct tttccaacct 300

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| gtatcaattt | ttacaacttt | tttcctgaaa | gcagtttagt | ccatactttg | cactgacata | 360 |
| cttttttcct | ctgtgctaag | gtaaggatc  | caccctcgat | gcaatccacc | ttgggttttc | 420 |
| ttanggtgga | atgtgatggt | cagcaacaaa | cttgcaacaa | gactgggcct | ttgggttgga | 480 |
| cttttnaaaa | ggcncnttg  | atcccatttg | agnaattncn | cccggcccaa | aaaaaggtcc | 540 |
| taangttggt | aaaatttgca | agctttttta | ggtttgcccc | aagnatgnt  |            | 589 |

<210> 226  
 <211> 636  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(636)  
 <223> n = A,T,C or G

|            |             |             |            |            |            |     |
|------------|-------------|-------------|------------|------------|------------|-----|
| <400> 226  |             |             |            |            |            |     |
| ggtcaagaag | catgccacct  | ccacaactcc  | tacctggacc | tccagcgcag | gtatgggaga | 60  |
| ccctcgatgt | gcagagcctt  | cccctgggag  | aaggagctga | aagacaaaca | ccccagcttg | 120 |
| ttccaggcat | tgtctggagat | ggatctgctg  | accgtgccaa | ggaaccaaaa | tgaatctgta | 180 |
| tcagaaatcg | gtgggaagat  | at ttgagaag | gctgtaaaga | gactctctag | cattgatggt | 240 |
| cttcacccaa | ttagctctat  | cgtccctttt  | ctgacggatt | ccagctgctg | tggataccat | 300 |
| aaagcatcct | actaccttgc  | agtcttttat  | gagactggat | taaatgttcc | tcgggatcag | 360 |
| ctgcaggggc | atgttgnata  | agtttggttg  | gaggccnngg | ggagtggaga | gctgcttcaa | 420 |
| tgaatcttgg | gtataaacac  | taccaaggta  | ttgacaacta | ccccctggac | ttgggaactg | 480 |
| ncgtatgcct | actacagcaa  | ccntggccnc  | caagaaaccc | cttggaccag | cacacacttg | 540 |
| gaaggngaag | caggcctttt  | gttgaaacca  | tttgacttaa | aggattgttg | gaaatcttca | 600 |
| nggnaccttg | cccggcgggc  | cctttnaaaa  | ggggna     |            |            | 636 |

<210> 227  
 <211> 451  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(451)  
 <223> n = A,T,C or G

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| <400> 227  |             |            |            |            |            |     |
| acccaaaaac | caccccccaac | gccccccaac | cctcaggcgt | gcctgtgagt | gtgtctgtgt | 60  |
| gtctcactct | gactcaccca  | gacaactgac | ttcagcagcc | aaccttggtc | attcccagaa | 120 |
| ccaccactgg | ggggcatacg  | tgtggctaga | ctgggggcgc | ccgaatatct | gtctctacaa | 180 |
| aaagtaaaaa | aaaaattaat  | gggggtgtgt | ggtgggtgct | gcctgtggta | tcagctgctt | 240 |
| gggacgctgg | ggcangagga  | tcacttgagc | ccgagaattc | aaggctacag | tgagttaaga | 300 |
| ttacgccact | gcactccatc  | ctgggtgaca | gagcaagacc | ttgtctcaag | aaaaaatttt | 360 |
| taaatgagta | aaattcaaaa  | aaaanaanaa | aaanaaaagc | ttgacacctg | aaacatgggt | 420 |
| tactgcatat | ggnacctngg  | cngagacacg | c          |            |            | 451 |

<210> 228  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens



```

<400> 228
gggtcccttat atggcagaat cttgcaggca gcatgtcgag tttgatatgc tgggtgaagaa    60
tagaacccaa ggaatcattc ctttggcccc catatctaaa tcattgtgga cttgctcagt    120
agaatcttcc atggaatatt gtagaataat gtatgatata tttcctttca aaaagctggg    180
gaattttatt gtgagtgaact ctggagcaca tgttttaaat tcttggactc aagaagacca    240
aaattttacag gggctaattg cagcattagc cgctgttggg cctcctaata ctcgggcaga    300
tccagagtgc tgcagtattc tgcattggcct tgttgcacag tggaaactct ctgcaaaatt    360
actgaatacc aacatgagggc tcgtacctgc cccggggccgg ccgctcga    408

```

```

<210> 229
<211> 270
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (270)
<223> n = A,T,C or G

```

```

<400> 229
gggtacacagc agcatcaaaa aggctattta caagagattt tcttcaacag aatccacttg    60
aaagcactga gaatttgcac cttagctaag agcagtttac caaggaacag ggccatctaa    120
gtgcctaact agcatttaaa gttgtcaagg ggtggggatg tgcaaattaa gcagcaaaaag    180
attattatct tgttntgctt taagggaag taatantggt cagagggggc agttccaagg    240
gctggtccaa gggggggcgc tggcttggg    270

```

```

<210> 230
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (425)
<223> n = A,T,C or G

```

```

<400> 230
gggtacattat ccaatttcag ggaaaaaaaa tacagttttc ttaccaaatt atccagtgtg    60
tatgactggg tagaatttta agttttgatt tttactgaaa ttcagagtat gaaatgcaaa    120
cattcaggat aaaatgaatt cataattaca cacagttata tcaacttgca acaaagcagc    180
aaatatgagg gcctaacaca catctcgact ctcccccttc cttctgatcc ctcaaaaaaa    240
agtgcaaaat caaagagtca ctgcttggtc caaaaaataa aatacattgt gtataaacat    300
ttgaaatctg atggaatcca gcttctattc cacagggtgt cttcagtaag aatcaacgtc    360
cgaagatgga actcagttcc agaagaatta attctacaat ctgattctgg tcttgccggg    420
cggnc    425

```

```

<210> 231
<211> 639
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc\_feature  
 <222> (1)...(639)  
 <223> n = A,T,C or G

<400> 231  
 gcgtgggttcg cggccgaggt actccaagaa gtctgtctgc cattgatagg gctggagcag 60  
 aggtgaagag tagaacaacg cttttcagaa agattggaga ctttagaagc ttggagaaga 120  
 tttcacggga agtcaaatca attacgatta tcgggtggggg cttccttggt agcgaactgg 180  
 cctgtgctct tggcagaaaag gctcgagcct tgggcacaga agtgattcaa ctcttccccg 240  
 agaaaggaaa tatgggaaaag atcctccccg aatacctcag caactggacc atggaaaaag 300  
 tcagacgaga ggggggtaag gtgatgcccc atgctattgt gcaatccgtt ggagtcagca 360  
 gtggcaagtt acttatcaag ctgaaagacg gcaggaagggt ngaaactgac cacatagtgg 420  
 cagctgtggg cctggaaccc aatggttagt tggccaagac tgggtggcctg gaaatagact 480  
 cagattttng tggttttccg ggtaaatgca tnacttccag cacgctttta ccatcttggg 540  
 tggcangaaa atcgtgcatt gcnttctacg atntaaaaag tgggnaagga ggccggttan 600  
 aacncccntg aacncccttt tgtgantggg aaaattgcn 639

<210> 232  
 <211> 369  
 <212> DNA  
 <213> Homo sapiens

<400> 232  
 ggtactaaaa ggccctcaaaa taattagtga cagaaatagt gttattaatt tgctaagctc 60  
 aacaataagc aattccttaa ttaaaatctt cgagatataa atttgatgac tattctcttc 120  
 agaaatgaca tacctggatt atgttaatca tcacaagcct tattagtcac acatataaac 180  
 atggcctcat gcaatcattt gtctgtatat gttactctaa gttgcatgag cacaaggttt 240  
 aatatctata tctttaagaa aatacttgat attataaaca gagtaaaaga catgatatag 300  
 tagtgattac taaaaaaaaa aaattagcag cttaaatcta tctatatattg aaaaaacgta 360  
 gtcacaagt 369

<210> 233  
 <211> 618  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(618)  
 <223> n = A,T,C or G

<400> 233  
 accctctctt ccagcaccca ggccagttatt gagatcgatt ctctctatga aggaatcgac 60  
 ttctatacct ccattaccgg tgcccgatatt gaagaactga atgctgacct gttccgtggc 120  
 accctggacc cagtagagaa agcccttcga gatgccaaac tagacaagtc acagattcat 180  
 gatattgtcc tgggtgggtgg ttctactcgt atccccaaaga ttcagaagct tctccaagac 240  
 ttcttcaatg gaaaagaact gaataagagc atcaaccctg atgaagctgt tgcttatggg 300  
 gcagctgtcc aggcagccat cttgtctgga gacaagtctg agaattgtca agatttgctg 360  
 ctcttggatg tcactcctct ttcccttggt attgaaactg ctgggtggagt catgactggc 420  
 ctcatcaagc gtaatacccc attcctacca agcagacaca gaccttacta cctattctga 480  
 caaccagnct ggtgngctta ttccanggttt attaaaggca accttccctg acaaaggata 540  
 ccacctgctt ggcaaggttt gaactcccag gcctgcccngg aaggaatgcn cgggggggatt 600  
 nctggggggg ggnccnncn 618

<210> 234  
 <211> 603  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(603)  
 <223> n = A,T,C or G

<400> 234  
 accagatgga aaatgttttt ggtgatctgg ctgctgctta aagccagttt tccctaagaa 60  
 ctccaaaggc taaactctac taggggcaga gtgtgaggat agatttctaa tcagagaaaa 120  
 gtggcctcca ggagctttca tttatgtctt ctccagacca ggttttcctg ttatcttcct 180  
 ttaatccctt ttcaaccaac aggtgaagtt cttccagccc acagaggtag taatatcatc 240  
 ttttctatct cctcctctcc tttggccatg taatgaagca aaatattatt tatttagccc 300  
 aggcttgaga gccactgttt gtggacagtc ttcactctaga ttccataccc tggcctaggc 360  
 gaggtaaggc tctctgggta ttgccaggat ggagcccctc taccctcangt ctgctgtang 420  
 gaatacccta attagttgan gcatgctttt ggaatcctgc atgttggcat atggctggnc 480  
 tatecttttt aaaanctctg ggtgggggna tctggataatn gattaagang ggacaaggag 540  
 ccttttcttg gctaanggtt ncaatacctt tttgaatggg gccagccctc aggcttccca 600  
 ccc 603

<210> 235  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(328)  
 <223> n = A,T,C or G

<400> 235  
 gcgtgtcgcg gccgangnac atggacnaca ggtgangaac aggtgaacat ggaggttgta 60  
 gancccangg gagggggagt cacttggttt ggggcaaaact tgctaaatgc aggaccacag 120  
 gaaccanctn ttcanctncc gtgaganttt ggctgcccان gccanttagg ggtgtgggccc 180  
 tgcacgggag acagttatcc ctttctantc tggctcgtgg gactntnnan ggantcantc 240  
 tgcaacagta agtggtgant tcttctgncc ancgtcagta ttttgatggg ggcttttagac 300  
 ttgccagatn acactacntn acatcagt 328

<210> 236  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<400> 236  
 ggtacacctg ttaggagctc tatcactctg aaagccaaaa gatagaatgc tcatttgagc 60  
 atttgcaaaa tgttctctat ttatatTTTT aaaaatctga tacatgtaag tttttctggc 120  
 agattctttt tgtatgttac aaaacaaaac atcaaaagct cagagtaaga taagaatccc 180  
 tttttcttag aaagggtcaag cagatacttc ttgacatcat gtccctttata caatggcata 240  
 ttgttcatat aaaaggcttc ttatcctata aaaatcttga caaaggcagc cttctaatacc 300

aatgcgtcca gtttccgttc tgcggactgc tacttgattg ttgcaaacaa gt

352

<210> 237  
 <211> 607  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)...(607)  
 <223> n = A,T,C or G

<400> 237  
 ggtacaaatg cgcttccagc aggaggtcat ggacagccct atggaagagg tcttgctggt 60  
 caatctttgt gaaggaacct tcttaatgtc gggtggtgat gaaaaagaca tcttgccacc 120  
 gaagcttcag gatgacatct tagactctct tggtcagggg atcaatgagt taaagactgc 180  
 agaacaaatc aacgagcatg tticaggccc ctttgtgcag ttctttgtca agattgtggg 240  
 ccattatgct tcctatatca agcgggaggc aaatgggcaa ggccacttcc aagaaagatc 300  
 cttctgtaag gctctgacct ccaagaccaa ccgccgattt gtgaagaagt ttgtgaagac 360  
 acagctcttc tcacttttca tccaggaagc ccgagaagag caagaatcct cctgcaggct 420  
 atttccaaca gaaaatcttg aatatgagga acagaagaaa ccngaagaaa ccaagggaaa 480  
 aaactgtgaa ataagactgt ggtgaattag aatggctaga gctaccccca ttntnggctt 540  
 tagccctgcc aagtggcagg ntcancaact gtcagnttcc naatcctaata cntactttgg 600  
 gnnntgg 607

<210> 238  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(391)  
 <223> n = A,T,C or G

<400> 238  
 acaaaacttag aagaaaattg gaagatagaa acaagataga aaatgaaaat attgtcaaga 60  
 gtttcagata gaaaatgaaa aacaagctaa gacaagtatt ggagaagtat agaagataga 120  
 aaaatataaa gccaaaaatt ggataaaaata gcactgaaaa aatgaggaaa ttattggtaa 180  
 ccaattttatt ttaaaagccc atcaatttaa tttctggtgg tgcagaagtt agaaggtaaa 240  
 gcttgagaag atgaggggtgt ttacgtagac cagaaccaat ttagaagaat acttgaagct 300  
 agaaggggaa gttgggttaaa aatcacatca aaaagctact aaaaggactg gtgtaaaana 360  
 aaaantgtna nnaaaaaaaa agcttgtcct n 391

<210> 239  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(466)  
 <223> n = A,T,C or G

```

<400> 239
gggaggggaga cgggggagag agagaaaaaa aaaaaaaaaa aaaaaaaaag cttgtgttgg      60
tcccagcggt tcagctgagg tagggacgtg ccgtaggccg gaatgttacc ggctgttggg      120
tctgtggatg aggaagagga tcctgcggag gaggattgtc ctgaattggg tcccattgag      180
acgacgcaaa gcgaggagga ggaaaagtct ggccctcggc ccaagatccc agtcacaatt      240
atcacccgggt atttaggtgc tgggaagaca acacttctga actatatttt gacagagcaa      300
catagtaaaa gagtagcggg cattttaaat gaatctgggg aaggaagtgc gctggagaaa      360
tccttagctg tcagccaagg cggagagctc tatgaaagag tggctggaac ttagaaacgg      420
tttgccctctt gcttgttcan tgaagtgagg aatgtgttta ctgggt      466

```

```

<210> 240
<211> 616
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

```

```

<400> 240
ggtacaactc ttgctaattg aatgctataa tgcacaagggt caaggattta ataaattcta      60
aaagtgtcta catatatcag tgataactgt attattagaa atataaatgt atagaaatat      120
aaagtatatg gtattaaaaa cagaccctgc taatataaac atataaaaag tatgtcactt      180
ctcctgtaat aacagcataa agatcgatct acagtttggc cttcgcttgg cactcttaaa      240
ccactcctcc aatgggtcaat gttgacctg aatcaacagc cgctgaaccc aggagacccc      300
acagatgtgt agattcagca cctanagggc cccctacccc tctgtgctgt gtgttcccat      360
gactccagaa ataattaatc gcaacttgca ttattaagtc cacaggcaag ttttgaaatc      420
taactagaaa aagtagcagc aaaggccaaa ataccgcggg aatttgttaa gaaaagcaac      480
cagaatttct taaaatgctt tcanttcaag gtctgaatta aggtgacntt aggtcccacc      540
agcnttaacg nagttggggn atgttttgc tntgggtttt naaaaaagaa gaatctgcna      600
taaacatgtc ctttgg      616

```

```

<210> 241
<211> 598
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

```

```

<400> 241
ggtactctat gaatgtgtta cccaggagac cccagagatg ttgcctgcat acatagcaat      60
ggatcaggct ataagaagac ttgggagaag agaaatgtct gagacttctg aactttggca      120
gataaagttg gtgttagagt ttttcagctc ccgaagccat caggagcggc tgcagaacca      180
ccctaagcgg gggctcttta tgaactcgga attcctccct gttgtgaagt gcaccattga      240
taataaccctg gaccagtggg tacaagtcgg gggtgatatg tgtgtgcacg cctacctcag      300
cgggcagccc ttggaggaa cccagctgag catgctggcc tgcttcctcg tctaccactc      360
tgtgccagct ccacaagcac ctgccaccta taggactaga agggagcaca agctttgctg      420
aactgntctt caaatttaac agcttaaaat gccagtgcga gctttgttga natggctcct      480

```

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| ttgctttcttg | gaaatccaca | gccatggtga | tgtgaccgtg | ttggccggga | acctacctga | 540 |
| acgtgacttn  | tgccacaacg | tgaccaacct | naaacttaag | catgttttaa | gtttangg   | 598 |

<210> 242  
 <211> 565  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)... (565)  
 <223> n = A,T,C or G

|            |             |            |             |            |            |     |
|------------|-------------|------------|-------------|------------|------------|-----|
| <400> 242  |             |            |             |            |            |     |
| acagagcttc | gggtagcaga  | agaggaatgg | cctatggaca  | tattgactct | tatggggcag | 60  |
| atgatagtga | ggaggagggg  | gctgggcctg | ttgagcgacc  | gccagtga   | gggaaaactg | 120 |
| gcaagtttaa | agatgataag  | ctgtatgacc | cagagaaagg  | ggcaaggtct | ttggctgggc | 180 |
| cacctccaca | tttctctagt  | tttagccgtg | atgtgagaga  | ggagcgagac | aagttagacc | 240 |
| cagtccctgc | agcaagatgc  | tcagctagca | gagctgactt  | cctgccacaa | agtagtgtgg | 300 |
| ccacacagtc | gtcttctgaa  | ggcaagctgg | ctacaaaagg  | tgacagctcg | gagagggaga | 360 |
| gaagggagca | aaattttacct | gcacgttcca | ncagggctcc  | tgtgagtatt | tgtgggtggg | 420 |
| gggaaaacac | ctnaaagaag  | tgcaaggaa  | cctgtgggtca | ggcccaaat  | cagaaacctg | 480 |
| gcaggtccaa | ctgcgtgaaa  | cccaaaattt | ttttttgatc  | ctgatgatga | ntgaccatnt | 540 |
| ccncaccgta | cctttggcgn  | gaaca      |             |            |            | 565 |

<210> 243  
 <211> 647  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)... (647)  
 <223> n = A,T,C or G

|            |             |             |            |            |            |     |
|------------|-------------|-------------|------------|------------|------------|-----|
| <400> 243  |             |             |            |            |            |     |
| ggtacttggg | atgggggctg  | ttttttggct  | ggtctgagtg | caggactttg | ctgctaggat | 60  |
| gcttaccaaa | tagaaatttg  | actcagagcc  | tgtggctggg | gaattgtcct | caggaagtaa | 120 |
| aatggctcgc | cagctttcct  | acctgcttgt  | ggatgcctca | gatagcaatg | gtcggacagg | 180 |
| acacttcagt | gtgggaagca  | gcacccgggtg | aggctgtgct | ctggcacagg | gggatcctga | 240 |
| atctcccat  | ctcttctaag  | ctgacctgtc  | cacacattct | gagggattaa | gcttagagca | 300 |
| cctaagaaca | gcagcctccc  | caggagaggc  | cagggaccaa | agtggcagga | atcctagaca | 360 |
| actctacgct | ttttctgcac  | taaccagctg  | ggtgactcta | aacatgtcac | ctccctntgg | 420 |
| cctnaacttt | ctcatcgacc  | aaacgaanga  | gagtagactg | ngctttcagc | ttaagaccga | 480 |
| aaaccgtatc | ttaacccttt  | tctggnacct  | tgcccgcccg | gccgttcnaa | angggcaa   | 540 |
| tccnnacact | gggcggccgt  | actaagggat  | cccacttngg | gccccaaact | ggggtaaaca | 600 |
| tggcanaact | ggtnccctgng | gnaaatggta  | anccgttcca | aatcccc    |            | 647 |

<210> 244  
 <211> 603  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(603)  
 <223> n = A,T,C or G

<400> 244  
 acaacattca gggctttctt tttttcttcg gcaagctctt cttcctcagc agttttcttt 60  
 tcattttacct cttcctgttc ctcttcactg tcagtttcta gaaatcgaga gtccatgcgg 120  
 aatctgtcat cggtgccaaa gtgcgactgt aaatccatga gcttctgtcc agctctgccc 180  
 tcaaaactgag gtttaatttt gaacctatta ctgtcatctt cagaatcaga ttctgtcatca 240  
 tcaactgctat caaacagctt ccctgatgtt ttacccatag actctttcac ccattcctct 300  
 cctggatggc tctgctcctg agtcgatgtc tctctgttt cacattcact gtcagaaccg 360  
 aagatgatgt gcggtggctt atcctctgga tgaccatcca aattgccaga gcattatgca 420  
 ccagcttctt ctgcactctt tgctttttgc ctgcgttcca aggctgncaa acgcttcttn 480  
 attggcttca acatgcttat cttagcact cacatttgac gaattactaa tngaaagggg 540  
 agaaaanagt tttggattcc ccgagngccc ttggatgana cctttgggga ttcttganaa 600  
 aag 603

<210> 245  
 <211> 640  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(640)  
 <223> n = A,T,C or G

<400> 245  
 actgggcacc attaagtagg atgcaggaga tcaggtggcc caggccttcg aagatatact 60  
 ggaacttggt ctgctgaagg ctggcgctca tggcctcttc aatggcgctg atatctttgt 120  
 tgagcttgac caccaggggg tcataatcca tactttccac attagccaca atggcatagt 180  
 tccccctctt tgcaagaggg ataagatagt ggaaacagtg aaccctcact tccagatgta 240  
 agacaagcaa gcagcgggtca gccatatact ggaacgattt ggcaagttca ctgagagtct 300  
 gcatgatctg ctctgacact ggggggagat ccgtgttcgt gtggctgctt gagcaggaga 360  
 aagcatctgg gatgtagaaa gattggaaga aagctgactt ttgttcgact tgccaaccat 420  
 tccaagcttt catgcntggt ngccaaggct ttganggcac ttgaccgtca cgaaggatnc 480  
 ttgtggaagg antaatttat caccaagggt ccaatagaac tttagactcc ttgncaaaac 540  
 tggccttatg aaaacttntt cntcncctct ttggcctanc tgnttngggg tgngcctntt 600  
 cattccantt gggnaaaaat tcaaanattg ctggttcttn 640

<210> 246  
 <211> 608  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(608)  
 <223> n = A,T,C or G

<400> 246  
 cgagggtactg tcattgaagt ggaaccagcg gccttcgtga gttgcgtatg ctgtgtaatg 60

|             |             |             |             |             |             |     |
|-------------|-------------|-------------|-------------|-------------|-------------|-----|
| tccagaacca  | acccccggaac | catgggtgcac | caccacagcg  | gcgagggtcat | acaggcagct  | 120 |
| ctccggggcca | ctgttctcag  | gctctagtaa  | gtagcatttc  | atgtctaggc  | ctctcagtg   | 180 |
| aaattctacg  | tatgtatcaa  | ctttatttct  | taaatatgct  | gtccaatgaa  | atcttttcaa  | 240 |
| atgtaagcat  | agcaccttgg  | gtagtttttg  | aatccaaaac  | ttttttgtgg  | acttttgttt  | 300 |
| ctttttgcat  | ttatggcaca  | tatataactc  | tgtctcatca  | agttcttcta  | agtcggtaaa  | 360 |
| actgcaaga   | caatctcgta  | acgaacaaac  | tgggccattt  | tcttgattct  | tagagcgctt  | 420 |
| acttctgaac  | tgacttggaa  | tatctaata   | aagggtctang | gaatggatca  | aactttttaga | 480 |
| atctgcccc   | tatgaggcag  | ttacctcatt  | ttggagaagc  | ctccgaatat  | agccggacaa  | 540 |
| cagtnaagct  | ccattatgna  | ccttggtacc  | ttgcagacag  | ngtaaaatnt  | cctgcaaaat  | 600 |
| gntgaccg    |             |             |             |             |             | 608 |

<210> 247  
 <211> 632  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)... (632)  
 <223> n = A,T,C or G

|             |            |            |             |             |            |     |
|-------------|------------|------------|-------------|-------------|------------|-----|
| acagaaaagtc | agagaacact | tacagaactt | ggaaaaactca | gctttcacag  | ctgacaggca | 60  |
| taagaaaaga  | aaacttttgg | aaaactcaac | actaaacagc  | aagttattaa  | aagtaaatgg | 120 |
| aagcaccact  | gccatttgtg | ccacaggcct | tcggaatttg  | gggaacacat  | gtttcatgaa | 180 |
| tgccatcctt  | cagtcactca | gtaacattga | gcagttttgc  | tggtatttca  | aagaactgcc | 240 |
| cgccgtggag  | ttaaggaatg | ggaaaacagc | aggaaggcgg  | acataccaca  | ccaggagcca | 300 |
| aggggataac  | aatgtgtctt | tggtagaaga | gtttagaaaag | acactctgtg  | ctttatggca | 360 |
| aggcagccag  | actgnattta | gcccagagtc | cttaatttat  | gttggttgga  | agaatatgcc | 420 |
| caacttttagg | ggctatcaac | agcaggacgc | catgaatcat  | gcgctccttt  | tggaccctta | 480 |
| ccttggaact  | tcaggcggn  | caacggggtt | tccgctnaac  | atthttgcagg | gaaatctact | 540 |
| ttgctgcagt  | accaagtgg  | gctaaatgga | catttntggt  | gcacggntnt  | ttcgagggnt | 600 |
| ntccaaatnn  | ggttactgcn | tanttgggga | aa          |             |            | 632 |

<210> 248  
 <211> 624  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)... (624)  
 <223> n = A,T,C or G

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| actccgaggg | gcctggcgag | gacatgtaga | aagactgcgt  | tttccttttc | aatcggggcc | 60  |
| ttttgttggc | caacaccaga | ctgcgcggc  | ttgaactgat  | gatttccgaa | atgaacttct | 120 |
| tgcaagccac | acacacctcc | atgggtgctc | agtcctccat  | caactctttg | ggaaactgga | 180 |
| gttcttcatc | tgatttgtcc | atagacttag | atthttgagga | gaacctggca | atgctccgaa | 240 |
| gtggccgatg | atgggcagtg | gagggttttt | ctgacctcat  | actactttcc | cctctttgca | 300 |
| gagcagaagg | tcccaatgaa | aagataggaa | gagtggagta  | tggtttggag | ggcagcccg  | 360 |
| atctttttgc | aacactgtga | gcacaccggc | ctnttacaga  | actgacaggt | ataagaccaa | 420 |
| gtgaagaagg | aaaaccttct | ggttcggcaa | ccaaagcaga  | gcttttcttt | tttcaagncc | 480 |



|            |             |            |            |            |             |     |
|------------|-------------|------------|------------|------------|-------------|-----|
| tgtnaagnct | ttatctgggtg | atattttcca | ntntgcntta | ccaggaccgg | cgaatatgnt  | 540 |
| ncttnttccc | agtagacnag  | nattcnctgg | gaccaaattc | taaanaccgg | acttntctgaa | 600 |
| gnggaggact | gcttcggtta  | ggct       |            |            |             | 624 |

<210> 249  
 <211> 636  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(636)  
 <223> n = A,T,C or G

|            |             |             |            |            |             |     |
|------------|-------------|-------------|------------|------------|-------------|-----|
| <400> 249  |             |             |            |            |             | 60  |
| acagtaaaaa | gtaaaacttcc | ctccatccca  | ggcctgccag | catccctgat | gccgactttc  | 120 |
| tgggtgtggc | ctagggcccc  | tcagtgtaat  | gtaggggttg | tgagcacaga | ctttgggtgcc | 180 |
| agtttgctag | gttcgaatcc  | tgactccctc  | tttgtagctc | tgtgcttcaa | ttgaaatact  | 240 |
| gtgcctcagt | ttctccttta  | taaaggcagg  | gatcatgaga | gtgcctgtcc | cttgtgagca  | 300 |
| ctatgaaagt | gttagctgtt  | ctttaccaga  | ataaatgcat | ttctatatct | tcccatatgc  | 360 |
| atcttgntaa | tttttaaaagt | atctcaaaaca | caaagtgtga | aacagaaaat | tgtgtaacat  | 420 |
| taactatgaa | cttaccaccc  | agaatttaca  | aatgctgaca | ttttgcaata | tttatttcng  | 480 |
| atctattttt | aangggggga  | accctgcagt  | tactgnttaa | tcctttccac | ccacctttta  | 540 |
| atcttacacc | angagcatag  | tggtcatacc  | tangctaatt | ttttcagtac | ctgatatat   | 600 |
| tggagaactc | cttcctaggc  | ataaactttg  | nccctttttt | taanagtggg | taacctttgg  | 636 |
| gacnaaaggg | cttgaacaat  | tggtcccatcc | ctttgg     |            |             |     |

<210> 250  
 <211> 669  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(669)  
 <223> n = A,T,C or G

|             |            |            |             |             |            |     |
|-------------|------------|------------|-------------|-------------|------------|-----|
| <400> 250   |            |            |             |             |            | 60  |
| ggtacataat  | ccggcagctc | catggcatct | cgtttctggg  | gctgtgcctc  | agccccaatc | 120 |
| agaagggtga  | aatgagtggc | caaagtctct | cgcagcaaag  | tcttattggg  | tgggatgttc | 180 |
| aataactgag  | ccattgtttc | tacgttaaaa | cgaggctcta  | gaaccatgag  | cccaccatgg | 240 |
| acaccactgc  | ctctgagatt | gggcgcata  | tctgccaaagt | ccacggagcg  | cagccactcc | 300 |
| atcactcgat  | ggttagtcca | cttctgaact | tctgatgggg  | cgatgggtatt | ctcatcagat | 360 |
| ggccgcctcc  | gtagacagtt | tggttcaaaa | gttattgatc  | ctcaggacct  | ggatggccct | 420 |
| tttgatactg  | agatgggtga | ncacacttac | cacctttcag  | agacagtaag  | tcatcaacag | 480 |
| tcattgtaatg | taacattcga | ccatnaaccc | ggccttnatt  | aaactgggtc  | ttatatttga | 540 |
| gggaaggnc   | atggcattcc | aacctntaa  | nggacccnnn  | ttggaaatcc  | actttcccat | 600 |
| gaatgggttc  | ntttttnaaa | atcccanggc | nttngaaagg  | ctaacttggg  | nggttcnttt | 660 |
| tcattgaaang | aaagcctgga | ttccaaggtc | ccttttttaa  | aactttgtgg  | naaaccttgc | 669 |
| aaaaacntn   |            |            |             |             |            |     |

<210> 251  
 <211> 670

<212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)...(670)  
 <223> n = A,T,C or G

<400> 251  
 actattcaag aggtgaagag aaatgtgtat gaccttacaa gtatccccgt tcgccaccaa 60  
 ttatgggagg gctggccaac ttctgctaca gacgactcaa tgtgtcttgc tgaatcaggg 120  
 ctctcttatc cctgccatcg acttacagtg ggaagaagat cttcacctgc acagaccggg 180  
 gaacagtcgg aagaacaaat caccgatgtt catatggtta gtgatagcga tggagatgac 240  
 tttgaagatg ctacagaatt tgggggtggat gatggagaag tatttggcat ggcgtcatct 300  
 gccttgagaa aatctccaat gatgccagaa aacgcagaaa atgaaggaga tgccttatta 360  
 caatttacag cagagttttc ttcaagatat ggtgattgcc atcctgnatt ttttattggc 420  
 tcattagaag ctgcttttca agangccttc tatgtgaaag ccccgagata gaaagcttct 480  
 tgctatgtan ctncctcctg atgnaaagtg tggtnaccga cgggttctgn gttaccaaatt 540  
 gctttggggc tgnaanccat tgggttcctt attctgggtc aaaaattttt taaccggggc 600  
 nttgggaact tgccaanggn ntccaccnga gccangaatt ttcactttgg gccaaaaaac 660  
 cttttgnggg 670

<210> 252  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(498)  
 <223> n = A,T,C or G

<400> 252  
 acacagcaca ttctcttaag agaaaacagg aatgaacatt ctcagaaaca ttcacattgc 60  
 tcatcaaatg tagctttacc caaagtatat aggaaatggc aaaaaccta cctagctgga 120  
 catttttatac aagtaagtca aagttcaaag gaatcatcct atctttattc tcagaaatcc 180  
 aatgttgaat atcacagtgc ttctttaatg gaagcagaag attcagagtc cttgtctccc 240  
 aaaatgcctc agccaggggc agcacagaga gtggaatata aaaagcttaa ttgtgttaat 300  
 acatggaaga caacagttct cagtcaacct agccacaatt ttctgtcttg gccatctgta 360  
 agaaatgact accgtttgaa attcaacttt cacattcaaa aaaaagaaaa tcaattcagc 420  
 ttttagacac aaagcaaaac caaaacaaaa aaacnaatgg catagtctac atatttnacc 480  
 ccttgacaat tggggggaa 498

<210> 253  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<400> 253  
 acgtttcagt tcaagtgcaa aaaataacta ttgtctgaat tctatttctt tcagttattt 60  
 tatttttaag ctgtgtttta ttgtgaagcg agacatccaa gtgtagaatt tcttatccca 120  
 aatgcagtat tgcctcttgg ttacgcttcc tggggagaca ggggttgctg tgcttgagtt 180  
 caaagtcaag tccatcatat ggtagtaatt ttcacctgtc tggggctgca gagggggttc 240

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| actgttcatg | tttggagctg | ttggcaaagt | aacgggtgtct | gagacattga | gccctgtttc | 300 |
| caaaagggtt | cttttctcac | gcatttttgg | tgatatggtg  | aggaaagagg | taaaggaaga | 360 |
| atttggtggc | aggataagtt | aactggtgac | ttgcattggt  | ggggtgaagt | tggttggggc | 420 |
| aatctttggt | acc        |            |             |            |            | 433 |

<210> 254  
 <211> 652  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(652)  
 <223> n = A,T,C or G

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 254  |            |            |            |            |            | 60  |
| ggtacaaacc | caggcctggg | cctaggaaa  | ggcagaagaa | aggcaaagg  | tcccttggag | 120 |
| caggaaacca | tccctctctg | cttataccca | gcacccctca | tcccagggtc | ctttcttcaa | 180 |
| cctccgcctg | cctctgggaa | cacagagcac | caagaactga | caaaccggga | ccctccagg  | 240 |
| ccacagcgtg | gggcagagtc | caggcttctg | tctcccgcga | gtgggagatc | tggggagctc | 300 |
| agtgaacctc | ctcacccctc | tgccagtatg | aagttgggaa | gcgccttctc | tgtccccag  | 360 |
| aacagaacaa | actcttgttc | tctgtggttg | gggaaaagg  | gtgggggggt | tggaacctag | 420 |
| aagaagctga | gctgaattcc | tccagggccc | agggtgaaac | cccaagggga | gtttctgaga | 480 |
| cttctagact | tgccattctt | ccactttttc | cttccaatga | ctccggtgaa | gcagttaaaa | 540 |
| gtctnggctt | agggcaactg | gtaggacagt | ngggaatttg | ncccaagaca | tttgnngggt | 600 |
| tcaaataaag | gtttcccaac | accngaata  | ttatatggan | cctgccnggc | nggccgttca | 652 |
| aagggcnaat | tcngnccctt | gnggggcgta | ctaagggaac | ccactttggg | cc         |     |

<210> 255  
 <211> 605  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(605)  
 <223> n = A,T,C or G

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| <400> 255  |             |            |            |            |            | 60  |
| ggtacgacag | ttgtgtgggt  | ttattgggaa | cctccaacat | ctccacaaca | atgtagtatt | 120 |
| gtggaaggcg | ggttaagttt  | atgaacagtt | tattcttaga | aaggtttcca | ataggatgag | 180 |
| ttgagtaatt | ggaaagctgc  | aatgtttcac | tgcttatcgt | aggcagatgt | tttatagact | 240 |
| gcttgcaacg | ctgttggtcca | agccaaaact | taagttgctg | aatccagggt | atgattcgtt | 300 |
| tcatatcatc | attcacagac  | ttctccatgt | catccagagt | ggcctgggtc | agtccataaa | 360 |
| gcatcaattg | aaacattcca  | gaatgtaaat | ctacaaaaat | gtgcaggcac | tctgaattac | 420 |
| cacagggtct | caagatggga  | acaacaagag | ctgggagtg  | agtctctatg | gaagagtttc | 480 |
| attggcattg | aagcctctaa  | gaatggcctt | cagttcttgg | agcttctgat | gagctcttgc | 540 |
| atggacactg | gnaatcangg  | agttttctat | tgataagtg  | gccgatcttc | atggctcttt | 600 |
| ctactaattt | ggaatcanaa  | nttgcaaagg | aggatcgtga | aaaatttnna | aggtttggaa | 605 |
| acatn      |             |            |            |            |            |     |

<210> 256  
 <211> 654

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(654)  
 <223> n = A,T,C or G

```

<400> 256
acagttcacaca agcttcaggc aagggggcagc ctgagactat ccgagtgatg ttgaggcaat      60
ccaggcacag caagtcattc agccacttct ccactgcata cccagggggc gtatcggatt      120
gactcctgga gggaaacctc atgcagtgtc cgcgctgatg ccaatctggc tgtcgtcgtg      180
gtcttattct cagcagtggg gctgacctgg ctctgggcgc tctgttgacg gagctgctga      240
attagcttga gggacagtga ccggccagtg ccctcatagc cattgatggt ggatgccatg      300
aaaacaaggt agggggccaag taggctcttc accaagggga gggggatggc ggcagcttca      360
tcaatcacaa ctagttcagc ctggcccagc ttcacagcat ctgcaggatg tatatactga      420
atagtctggc tgngtctcga aatacattca ctctgatcac tgntttggta aattcangaa      480
ttanagactg gataatctca taatccaaag gttcctgaaa nttgcanaac attnaaatcc      540
nttnaatncc aattcaaccc aattttgang ttttaanggc tttgggaggg aaccaanaan      600
ttgggggtacc ttggccggaa cccctttaag gggnaattca gncacntggg gggg      654
  
```

<210> 257  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(594)  
 <223> n = A,T,C or G

```

<400> 257
actgctcttt tattacggta atacttgcta gtgggatttc tctcttcacc aaggctgcct      60
ttactgtgtg aaggacctgt cagtctgggt gcagccaagt tggatggagt cctcattcga      120
agacttgact tagccatttc atgatgttca atttcagcct ttttcataata aaatattttt      180
ttaattgaat ttgcatcctt gaatacttga gagccaggct cattataagt tttggcattt      240
tttgcgagga gatctatata tttggccatt gcatgaatac tttttagct tccattctgt      300
atcctctggg caatgggtctt gagatctata ggctccttaa ttattgcata ataacttgga      360
tattgcactt tagaaggcaa gtttctgaaa aaagtgcgta atgagacgtn ctgatggatt      420
gnagctacca ctatggcttc aagaaactgc ttcaggaact ncttcaagta agctggagaa      480
aaatcttnag cactgggncc tggatgggct tggccatctt catcaataac ttcgncnaatt      540
ggttctcntt ttgaaccaac ctcatntttg gtccaaggna ccttggncgg gaac      594
  
```

<210> 258  
 <211> 648  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(648)  
 <223> n = A,T,C or G

```

<400> 258
cgaggtacct tgctgtttat tccttagtct agcagcatcc ttagtttgta gtatatctta      60
cttagttgca actaaaaaaaa attgctagcc taggctttaa ctgggagttt ctattatcta      120
gaaggttact gtgaaccttt cagaaaagtg gaaagcaacc aaaagagctg tctcaaagac      180
tgtgtcccc cagagtttgt ccagctctta ctgtagacac tctgaacagg cacggttatc      240
tcatgtccaa agctcataac agcacattag aagaaagtgg ggagcctgtt agaagcaggc      300
atattgatag tgtgggagaa gacatagcaa attacttagc agatatttta aaaattttaa      360
aatccaacag cagtctgagg caaatgattc tgnatacctc agggctgana gaatcacttt      420
atacatattt ggtatagccc ttctatttta tgaaagtgtt tacataccnn agactngatc      480
ctataataat accttatgaa tatactttac ttttcatcat ggaaaatgtg aatatactng      540
cntgatgggt aagaagaagg ccggagggtt cctacntnc ntgaancctn ccttaaaaat      600
aatccnngtt taaanngtgg ncttggnaaa ttccttantt tcccaaaa      648

```

```

<210> 259
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<400> 259
ggtacttcaa aaagaacatc aggattaatg ttcctcagag tatgttctgc tgcttgaact      60
ttacttaatc ctgcttgatg aggttggaag aaaagtctat tcatattggc tagttccacc      120
ttgtcataat caaagagtag caacttacca atgccacatc ttgtcagcat ttcagcagtc      180
acactaccta ctccaccaac acctactatt gctacggcaa aggt      224

```

```

<210> 260
<211> 584
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(584)
<223> n = A,T,C or G

```

```

<400> 260
ggtacttcaa actctcttaa cgggtgatgct ctgacattca ctactacatt tactctgcaa      60
gatgtatcca atgactttga aataaatatt gaagttttaca gcttggtgca aaagaaagat      120
ccctcaggcc ttgataagaa gaaaaaaaaa tccaagtcca aggctattac tccaaagcga      180
ctcctcacat ctataaccac aaaaagcaac attcattctt cagtcatggc cagtccagga      240
ggtcttagtg ctgtgcgaac cagcaacttc gcccttggtg gatcttacac attatcattg      300
tcttcagtag gaaataactaa gtttggtctg gacaagggtc cctttttatc ttctttggaa      360
ggtcatattt atttaaaaat aaaatgtcaa gtgaattcca gtgttgaaga aagagggttt      420
ctaaccatat tgaagaatgt tagtggggtt tggggccctg ggcacgaag aatgggtgtg      480
ttcttttctg ggaaactgna taatcttaat tggacttaat ccagnatgat gaagaaaccg      540
caggaattcc cattnggaan gggataaact tngcttaatt ggan      584

```

```

<210> 261
<211> 526
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (1)...(526)  
 <223> n = A,T,C or G

```

<400> 261
ggtacttgat gttctgcagc ttctgaaagg cttcctgata ctgctcaggg gtgtcaaggc      60
tgaagatgct cttccacact gcagtcaccc tctccacgaa agacccttcg gtgcccgtgt      120
tccaagtgtg gtaagaggag gagcttttgc cctctgaaag ctgcttttcc tccagatgcc      180
tggacagtag ctccagaagg caaaacacca atctctgacc ctgtagactt tcatgcagct      240
gcagggcttc ctgggctccc acccagttgt tggccagaag cagctcttgg gcacatctga      300
gagccaggga agcagacaac tcatcctctc ctacgatggc agccaactct gcagccgttc      360
taagtgatgc cgcaccccc tttttggcca aaactttggc tgcatacata gcacaagtgg      420
cccctaaata gcatttggca gctacagcat agtggccatc tctttctagg acnggtcccc      480
agctgangua cctgcccggc gggcgcttct aaanggcgaa atcttg      526
  
```

<210> 262  
 <211> 703  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(703)  
 <223> n = A,T,C or G

```

<400> 262
cgagggtacag aggtctgaag aaggtggcat agagggctga aggtctgggt ggcagggcca      60
ctcctttaat aaaccaatgt catgctcaca ctctatttgc ctaccttggc atgctggatc      120
agctcacaga tgcaggatca agtcttgaaa gccaatcaga aaatccttca taggcttaca      180
aaggaccacc catggaacat tgtttcccgt aagactgaaa agacaaacta caccaaccac      240
caccactctt ctttttcctt tttggcccca tcaaaggaca tggagaaggt agacaagttt      300
tcttatccct acttttctaa ctcgaggatt ctccaaattt acatcagcag ctctaaggat      360
attcctcata ggtcacaaac tgaaccaaaa atgaaaaatc tttctataaa actacacatt      420
ctttattcat acntatgact aaaggctact gaatggnacc tgccccggcc ggccgttcga      480
aagggccaan ttcaacacac ttggccggnc cgtactanat ggaatccnaa ctttgggacc      540
caagcttttg cggtaatcca tgggccataa gcttggttnc ccggggggga aaattggtat      600
tnccgnttac caatttcccc accaaccntt cccaancccg gaaaccntta aaggggtaaa      660
anccttgggg gggcccaaaa nggggtgggc cttaacttcc ann      703
  
```

<210> 263  
 <211> 475  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(475)  
 <223> n = A,T,C or G

```

<400> 263
ggtacttggt agcttacccc aaaataatac ctggtatacc ggacccaata tctgctgatt      60
gatctaacct aaatgaatac aaaccatttc agaaaaagat atacaataga ccacatatcc      120
aggtcatgaa aattaaagct ttcaggtcac ctagcttagt gactattgct tttctgacct      180
tagactcttg aaagcctatt taaactggcc tctttctcca caccaaaact gataaaaagg      240
  
```

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| agactgatta | tgagccagga | tttacacaga | gattctctat  | ataaggcata | aagggtgagg | 300 |
| gtgagagaga | gagagagaga | gagagagaga | gagagagaga  | gagacgtgag | ggagggagag | 360 |
| aaaagagaac | agacngaaga | tnagagaaag | agaaaaggtat | acagtctggn | gcctcaattc | 420 |
| cagtatgntg | atttggtctc | aacacccgng | tacctggccc  | ggcnggccgn | tngaa      | 475 |

<210> 264  
 <211> 601  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(601)  
 <223> n = A,T,C or G

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| <400> 264  |            |             |            |            |            | 60  |
| ggtactacaa | aaaccaagtg | ctcgattacc  | acttaacatg | ttcagcttga | aatgactgct | 120 |
| acctttgcct | tcaattcctt | cccacacacc  | caggtataca | aatatctttt | ataccaagag | 180 |
| tccttgtgaa | agtaaataga | gggaactccc  | agggataagg | gagggcaaaa | aacaggaagc | 240 |
| acttgaagcc | aaaatctgga | gcaactttta  | agaaggaaga | gacgtccgtc | ctattttcat | 300 |
| atctctgcat | ggatctccca | tggagaactt  | gagttaaatg | taatgattac | acgtggcaga | 360 |
| aagacaactc | tctagcacag | tgtttctttc  | acataggctg | ctacattcat | tccataagct | 420 |
| caacaatttt | aataaaaaat | atcttctgct  | aatactttat | attcatcatc | ataaaaaaat | 480 |
| cacagccatt | tgaaaaaaan | ggcaattacc  | ctaaatgaat | attgcccaaa | gcacagatca | 540 |
| actttatata | nggattcttt | ccttgggtctg | aaaaatcgca | ancggaactg | gcagacttta | 600 |
| tttaccaccc | atggattttg | nccagcatgg  | agttaaattt | antgctgtct | ggagcaggaa | 601 |

a

<210> 265  
 <211> 643  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(643)  
 <223> n = A,T,C or G

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| <400> 265  |             |            |            |            |            | 60  |
| actatgaaag | gcagggtttcc | ttgtctggag | gaaaaggtcc | ttgagacacc | acaggaaatt | 120 |
| cacaccgtaa | gcagcgaggc  | tgtagcttg  | ttggaagagg | tcactactcc | ccggaaggac | 180 |
| ctgcctcctt | tactcctcaa  | attgaatgag | aggcctgccc | aacgcctgga | ttacctgggt | 240 |
| gtttcctatg | gcttgacccc  | caggctcctc | aagttctgga | aacgagctgg | atttgttctt | 300 |
| gtttatctga | gacagacccc  | gaatgacctg | accggagagc | actcgtgcat | catgctgaag | 360 |
| acgctcactg | atgaggatga  | ggctgaccag | ggaggctggc | ttgcagcctt | ctggaaagat | 420 |
| ttccgacggc | ggtcctacct  | tgctctctac | cagttcaata | cctnggccgc | gaccacctta | 480 |
| gggccaattt | cacacactgg  | cnggcgtact | aatggatcca | cttngttccc | aacttggcgt | 540 |
| aatcatggca | taactgggtc  | ggngaaatg  | gtatccgtta | caattccccc | acatacaanc | 600 |
| cggaanntta | agtgtaannc  | tgggtgctaa | tgatgactac | ttncctaatg | ngttggctac | 643 |
| tgccgtttca | tcgggaactt  | ntgccattgn | tataatgcnc | ccc        |            |     |

<210> 266  
 <211> 582

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(582)  
<223> n = A,T,C or G

```

<400> 266
actgtttacc agatctttgc agatgaggtg cttggttcag gccagtttgg catcgtttat      60
ggaggaaaac atagaaagac tgggagggat gtggctatta aagtaattga taagatgaga      120
ttccccacaa aacaagaaag tcaactccgt aatgaagtgg ctattttaca gaatttgcac      180
catcctggga ttgtaaacct ggaatgtatg tttgaaaccc cagaacgagt ctttgtagta      240
atggaaaagc tgcattggaga tatgttggaa atgattctat ccagtggaga aagtcggctt      300
ccagaacgaa ttactaaatt catggtcaca cagatacttg ttgctttgag gaatctgcat      360
tttaagaata ttgtgcactg tgatttaaag ccagaaaatg tgctgctttg catcaacaga      420
accatttcct caggtgaagc tgtgtgactt ttggattgca cgcattcatt gtgaaaagta      480
ttcaggagac tgtggaggac tccactacta nccctgaagt cttcgagcaa ngtaaccggt      540
cctanaatgt ggcattggag tatattatgg anctatgcc a tt                    582

```

<210> 267  
<211> 565  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(565)  
<223> n = A,T,C or G

```

<400> 267
acttttggag gctgaggcgg gcagatcaca aggtcaggag ttcgagtcct agcctggcca      60
atatggtgaa accctgtctc tactaaaaat gcaaaaatta gccaggcatg gtggtgcatg      120
cctggagtcc cacctacttg gggctgaagc agaattggctt gacccaggag gtggaggttg      180
cagtgaacca agatcatgcc atggcactcc aacctgggtg acagagcaag actccatctt      240
aaaaaaaaag atactaatgt ccctcaagtt cttccatatg aggtaaaagg atccaagatt      300
aaggttgaaa ttcttaaaact gttcaacaat tttgtggtgt catcaaaaaa ggaatatttc      360
atatatatta atttaacctc aatgatcaac attgttaaaa gtcagtatgg agaaagatca      420
ttctgacctc ttcagaaacc acctgggtata tgaacattct gatcccanat tattttggga      480
nctaaggacn atggtgaaaa gaatcncnan attaaaagtt ctattttcna tggaccttng      540
gcccngaac acncttaagg gccna

```

<210> 268  
<211> 661  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(661)  
<223> n = A,T,C or G

<400> 268



|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| cgagggtacta | caaaaaccaa | gtgctcgatt | accacttaac | atgttcagct | tgaaatgact | 60  |
| gctacctttg  | ccttcaattc | cttcccacac | accaggtat  | acaaatatct | tttataccaa | 120 |
| gagtccttgt  | gaaagtaa   | agagggaa   | cccagggata | agggagggca | aaaaacagga | 180 |
| agcacttgaa  | gccaaaatct | ggagcaactt | ttaagaagga | agagacgtcc | gtcctatttt | 240 |
| catatctctg  | catggatctc | ccatggagaa | cttgagttaa | atgtaatgat | tacaccgtgg | 300 |
| cagaaagaca  | actctctagc | acagtgtttc | tttcacatag | gctgctacat | tcattccata | 360 |
| agctcaacaa  | ttttaataaa | aaatattttc | gctaaatact | ttatatcatc | atcataaaaa | 420 |
| atgcacagcc  | ttttgaaaaa | angggcanta | cccctaaatg | aatattgcca | agcacagatc | 480 |
| aacttatata  | ggattctttc | cttggttctg | aaaaatcgca | accgaactgg | cagactttaa | 540 |
| ttaacaacat  | tgatttggcc | agcctggagt | tnaatttant | gcatgtcctg | gaggcnggan | 600 |
| aatgatcca   | gaagtaagca | ccaccgctg  | cngggncan  | gttcaagaac | ttaagccngg | 660 |
| g           |            |            |            |            |            | 661 |

<210> 269  
 <211> 643  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(643)  
 <223> n = A,T,C or G

|            |             |            |            |             |            |     |
|------------|-------------|------------|------------|-------------|------------|-----|
| <400> 269  |             |            |            |             |            |     |
| actgatggga | aggccaatat  | ttgatgcaat | caccacagtg | agggcagatg  | ccagttcaat | 60  |
| actgaagcca | ctagaggggtg | tgatcgggtg | cagatccttc | cccatgggtct | ggataactct | 120 |
| tcttccccaa | acccacagac  | caacacagat | accaacacca | ccatagagta  | gaagccatat | 180 |
| tgggtgttgc | acttttgaag  | aaacatctcc | tgtgccataa | accaaata    | aagcaaccag | 240 |
| aggcccaatg | gcattgctta  | cgtcattgcc | accatgggcg | aatgacccaa  | agcaggctgt | 300 |
| aaggatctgc | aggaactgga  | aganggagag | agacttcagg | gcttatcctg  | ggcataccat | 360 |
| tctttctaga | agaaccctta  | ctttcttttc | tgncacctaa | acccatcttt  | gnctttgcac | 420 |
| ttatggctat | cttaaaangc  | tnaatgaaag | ncagacacng | cattgcagta  | actggggnac | 480 |
| tgncatttna | antcccttct  | tggagctgna | ntaggcctgt | cacttctcat  | ttcttngccn | 540 |
| ttggtaactt | ttttgnncgg  | atgaatcnga | gnatgcncat | atgcntggat  | tganntactn | 600 |
| tatggcctaa | gggtgnncgn  | ggtcctcant | tcncttggan | aga         |            | 643 |

<210> 270  
 <211> 650  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(650)  
 <223> n = A,T,C or G

|             |            |            |            |            |             |     |
|-------------|------------|------------|------------|------------|-------------|-----|
| <400> 270   |            |            |            |            |             |     |
| ggggccacatc | tgccagagcc | tggagtctgc | gaaggccggg | acccggttcc | ccggccccaca | 60  |
| gtgggggtgt  | gcaaaccgga | gagaactggg | ttgcaaattc | gtgaagaatc | agcatcatgt  | 120 |
| ttggcagctg  | agtattggag | ccaggagcct | gccatgaggt | tttgagaaca | gagtgtgttt  | 180 |
| ttagagctgg  | cagcagcatc | tcagcccaag | agaaggttat | attcccagag | gatgtcagtc  | 240 |
| ccaaggacca  | gtagctgcca | tcagtttgga | ttctgaaaac | taactggcat | caacactggg  | 300 |
| tgtagaaaca  | tgcttgcttc | atgtatcaga | ggacatgctc | agcaagatcc | aagagatata  | 360 |

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| tttggcaact | ttttctagaa | aaggcacatt | gggtatcatt | cattacattc | ttgagttttt  | 420 |
| ttgggttttt | tttttttttt | tgaacagtct | tgctgnattg | ccangctgga | atgtgggtggc | 480 |
| caatcacanc | ttattgcatc | ctaatacccc | aggcctaagc | aatcctcccc | ttganctggg  | 540 |
| actanggtta | cagncacctg | gtaaaatttt | ttttgtgaac | ggntcttatg | tgccagctgg  | 600 |
| nttaggttct | nggntnaang | gcctctgcta | nnttcaaggc | nagccatttg |             | 650 |

<210> 271  
 <211> 620  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(620)  
 <223> n = A,T,C or G

|             |             |             |            |            |            |     |
|-------------|-------------|-------------|------------|------------|------------|-----|
| <400> 271   |             |             |            |            |            |     |
| ggtacacagg  | tcccaagctc  | tttaaggagc  | ccagtagtaa | atcaaacaag | ccgattattc | 60  |
| acaatgccat  | atcccattgc  | tgcttggtcg  | gaaaagtga  | cgaacccac  | aagaattcca | 120 |
| tattggagga  | gctggagaag  | tgtgatgcca  | atcactacat | catactgttt | cgtgatgctg | 180 |
| gctgccagtt  | cagggcgctt  | tactgtctact | atcctgatac | tgaggaaatc | tacaaactca | 240 |
| ctggcacggg  | gccaaagaac  | atcaccaaga  | aaatgatcga | caaactgtat | aaatacagct | 300 |
| cagaccgaaa  | acagttttaac | ttgatccag   | ccaaaaccat | gtctgtcagt | gtggacgcac | 360 |
| tcacaatcca  | caaccacctg  | tggnanccaa  | cggnetgcat | gccaaagaag | ccaaactcgt | 420 |
| aatgacccgg  | tgacttggcg  | tccaaggggtg | accagactcg | taaagatgac | cttgtgggtg | 480 |
| atcaaagggtg | cacggggggc  | tanttantgg  | ttanctattt | ggtcctgccc | gcnggcgttn | 540 |
| aaagggaatt  | caccactggg  | ggcgtctaag  | gaccacttgn | ccacttgnga | anatggntan | 600 |
| gttctnngga  | aanttcccn   |             |            |            |            | 620 |

<210> 272  
 <211> 670  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(670)  
 <223> n = A,T,C or G

|             |             |             |            |            |            |     |
|-------------|-------------|-------------|------------|------------|------------|-----|
| <400> 272   |             |             |            |            |            |     |
| cgaggtactt  | tatattacta  | aatgtctgaa  | gacaaaagag | caattggaaa | tctctgtttc | 60  |
| ttgtttcgtc  | atacatagga  | aggcgacgtg  | atgcaaattt | taacacaaga | ttttattaaa | 120 |
| gacgggcaaa  | ttggtgaggc  | atacctgaat  | ttctggagat | atacaaatgc | gtgaggctgg | 180 |
| catcatatgc  | aaatgtggct  | ttacaaattg  | gttttatttt | ctagctgtat | ttaaagaggt | 240 |
| gttcaaaaatt | ccctactaat  | caagaagcac  | ccctgaaaaa | actatgagat | aagatagtgt | 300 |
| tattaatggt  | ttgcatctaa  | agaccaggaa  | acacattagc | caatacagtc | cacaatcggg | 360 |
| gaaatgctgc  | cgtgcnaaat  | gcacgtgcat  | atgcnttttt | actatatccc | ctnagagacc | 420 |
| gtaaaacaac  | naccaccacc  | aaaaaaaaaac | ngtgctcnta | aatngnggac | naacctttcc | 480 |
| aaaccaccgn  | cttactctta  | ctgggggttta | agggaattca | ggaagcttcn | tttanccana | 540 |
| aagctnaacc  | ccttcagttc  | ataaantttt  | nccttggaat | aaggcctgnt | ntggctacct | 600 |
| aaaaccaagt  | ctggggggaaa | aggactcatt  | ccattattaa | cnnttacncc | taaggganga | 660 |
| ataaggnnt   |             |             |            |            |            | 670 |

<210> 273  
 <211> 688  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(688)  
 <223> n = A,T,C or G

```

<400> 273
acacaggtaa ccttatgcag cacattgtgc taaaagtatg gaacagttaa cactttcagc      60
cattactgaa aataaacatg tagaaactaa gcaacaagtt aaaatacagt aatgcacaac      120
ttaacaattt taagttttcc acatggagca ataaagcagg taactgaata atttaaggag      180
atgcaaatgg cctctttcat tcttaattct cggcaattta ctcaggaaaa taaatttctg      240
gtcgcagccc gaacagttcc agtccgatct caccttgatg gaaagtcttc attatctgtg      300
cttgcccagag gacttatgaa tgnnttcttc ctttcttttc ttctgaactg gccccgttct      360
ctttcttttc tatcctttct ttatcatgcc tggactcctt ttggcaccgc aaggagaatt      420
taaccatctt ctcagaatta aatggaatca ctggcttttt cnttggcctg aagaatttga      480
cttanttttt tnccttggett tctcaattng attaagggga ttcnccaagg acttttactt      540
ttaagggtttt gnaaacccca atnggtncat tcttccccct taccgctctt ggggttaaanc      600
ccgggggggac tttaccgggc cttggttgaa ngaaccntt ttcggtcttt tcngggcctt      660
ttaacttttt ctncctttnn ctggggagn                                688
  
```

<210> 274  
 <211> 674  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(674)  
 <223> n = A,T,C or G

```

<400> 274
atttaaaccct ggtttggata tgcgcctgta tgaggaagat gatttggacc ggtagagca      60
gatggaagat tcagaagggg cagtgaagaca gataggtgca ttctctgaag gcatcaacaa      120
tctgacgcac atgttaaaaag aagatgacat gtttaagat tttgctgcc gttccccag      180
tgccagcatt acagatgaag actcaaacgt ttgaccgtag cacctggatg aacattagga      240
gtgcttagtc tttttcttac ttgcttttcc aaacactcac agtatataca acaggcagcg      300
gattgncat tgnntgttgn tccaacttct gctgccagaa gtttaaacag aaagcaggaa      360
taatgtgccc attctgaagt tgccacaaaa aataagaccc tggatgaatga aaatataatt      420
ggttttcttc taattaatgg aaaaatctgg gatataattt atttaaggt ggtgcattta      480
aagaatgagt attttacccc gaagtgggtc ccttcatatt ccccggttg aaggatttga      540
nggaccgtac cnggatgggn atgaatttgg tacttcatgg tcacttgaac ccnctaagtn      600
ggcctttttt ggattcanaa tcatatgggg aacttcttta agccttcagg ggccncttaa      660
tgccnnncca cctn                                674
  
```

<210> 275  
 <211> 638  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(638)  
 <223> n = A,T,C or G

<400> 275  
 ggtactggca tggcaccac atttgctcag cttctggtga gggcctcagg aagcttacag 60  
 taaaggcgga aggtgaaggg ggagcaggca tatcacatgg cgagaaagag gggagaggctc 120  
 tcagactctt ttaaacaacc atatctatgt gaattgagtg agaactcact catcaccaag 180  
 gagatggtgc tgagccattc atgaaggatc ccctctcatg atccaaatac tcccaccag 240  
 gctccacttc caacactggg aattacattt caacatgaga tttggagggg acgagcatcc 300  
 aaaccatatac agatggtgag acaggagaac tttgtgtgtc cagctgcact ggtctgaaga 360  
 tataactaag tccctggact ttttctcctt aattggagaa ttcctaattg tcatgatcag 420  
 cctgantgac cagtggctga ctggcctgaa aggggagata aaacngacca cagctttctt 480  
 catagaccaa tttaaccttt attcatctgn gcagcagaag ggactgggcc anatanccat 540  
 caggtaggng cttgaatatg ggtactttcc nanatacttg ccggccggcc nttaaggca 600  
 attccaccaa tggggccgctc tannggatcc actcggnc 638

<210> 276  
 <211> 638  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(638)  
 <223> n = A,T,C or G

<400> 276  
 ggtacgtcag atctacagcg aacacaacta ctgccgcctt atcctctaaa tggggagcat 60  
 acccaggccg gaactgccat gtccagagct aggagagagg acctgccttc tctgagaaaag 120  
 gaggaaagct gcctactaca gagggctaca gttggactca cagatgggct aggagatgcc 180  
 tcccaaactcc ccgttgctcc cactggggac cagccatgcc aggccttgcc cctactgtcc 240  
 tcccaaactc cagtagctga gagattagtg gagcagcctc agttgcatcc ggatgttaga 300  
 actgaatgtg agtctggcac cacttccttg gaaaagtgat gatgaggagc aaggaccac 360  
 cgttcctgca gacaatggtc ccattcccgc tctagtggga gatgatnntt agagaaagga 420  
 ctggcccagc tcttgcatgc atccactatg aaggatcctg taatgtgacc ccagttccac 480  
 actgatctca ccgctgatgc tgcagaacag anatttgatg acgaataggc ttgngntta 540  
 tgccctctatg aggaaagtat ctngacnaga aacttgaaac cangntnttg tttacagtct 600  
 ttgatggctc atcatcatga nnnatgaac gcccaaccg 638

<210> 277  
 <211> 734  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(734)  
 <223> n = A,T,C or G

<400> 277  
 ggtacagaga tagatgaatg gaaatgggta agggaggtgt tcattcacat ccattctaact 60

|             |             |            |            |            |            |     |
|-------------|-------------|------------|------------|------------|------------|-----|
| gcaaaaataca | aaagtaagaa  | gtcattgaca | tgaagcaacg | acgaccaaga | cgttctcaga | 120 |
| tctaaaggtg  | aatgatctca  | gtcagcctgg | aaatgcacaa | ggtggaaaaa | taacataaaa | 180 |
| aagccataag  | accttgaaga  | acatcaatgt | caaagataaa | ttctaaagtc | ccagagaaaa | 240 |
| aagaatggga  | atcaaattga  | cctcagacta | tacgtgagaa | acacggagag | ccagaaaact | 300 |
| gtgatgttcc  | atcctcagag  | tttgaaggaa | atatttgaag | gctgaatttt | acatccagct | 360 |
| taactatcaa  | ggcatgccaa  | gtcatgttat | tcttaggcct | tcaaggncct | ngcccttttt | 420 |
| ctcngaaaaa  | cccgaatttn  | aaatgctctt | aaagaccgtt | cttcaaccn  | gaagagaaaa | 480 |
| gaaanccngg  | ganggggtgct | cttgagatat | ttcagtcncc | cacagggtnc | ccaaatnggg | 540 |
| cctaaggaaa  | ttccgaagag  | gtcncgaaat | nttnacccat | taccttcccc | caatngggga | 600 |
| accccccgac  | agggntttan  | ccatnggggt | ttaaagggtt | ttgaccggg  | ggggccttgg | 660 |
| caaggtancc  | tggccccggg  | cgggcccntt | cnaaangggc | caaanttcn  | gncccccttg | 720 |
| ggggggccgg  | tanc        |            |            |            |            | 734 |

<210> 278  
 <211> 586  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(586)  
 <223> n = A,T,C or G

|             |             |             |            |             |             |     |
|-------------|-------------|-------------|------------|-------------|-------------|-----|
| <400> 278   |             |             |            |             |             |     |
| acatgggtgaa | tggaccacca  | catttttacag | aaagcacagt | gtttccaagg  | gaatctggga  | 60  |
| agaattgcaa  | agtcgtgtatc | tttagtaagg  | atgggacott | gtttgcctgg  | ggcaatggag  | 120 |
| aaaaagttaa  | tattatcagt  | gtcactaaca  | agggactact | gcactccttc  | gacctcctga  | 180 |
| agggcagttt  | ccttgaattc  | tcacccaaaa  | atactgtcct | ggcaacgtgg  | cagccttaca  | 240 |
| ctacttctaa  | agatggcaca  | gctgggatac  | ccaacctaca | actttatgat  | gtgaaaactg  | 300 |
| ggacatgttt  | gaaatctttc  | atccagaaaa  | aaatgcaaaa | ttgggtgtcca | tcctgggtcag | 360 |
| aagatgaaac  | tctttgtgcc  | cgcaatgtta  | acaatgaagt | tcacttcttt  | gaaaaccacc  | 420 |
| aattttaaca  | caattgccaa  | ataaantgca  | tttgccaaaa | attaatgact  | ttggattatc  | 480 |
| accctggacc  | ccaaccatac  | caaggtggct  | ggctatgttn | ccaggaagtn  | aangngcccc  | 540 |
| cttatttgg   | agaatatatc  | agtancttgg  | gcgggaacac | ccttan      |             | 586 |

<210> 279  
 <211> 664  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(664)  
 <223> n = A,T,C or G

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| <400> 279   |            |            |            |            |            |     |
| accaccgagg  | ctagcacagt | caagcctcca | gctaagctgg | atccctgaag | cctgctatca | 60  |
| tgcagacagg  | ctatgcggct | gcctcggacc | atgctaggcc | acttgctggg | gtgtcaacct | 120 |
| accaccaaag  | gggtctttta | gcaaacctca | tggggaacag | gaacattcct | gttcatccct | 180 |
| ggccacaggc  | tgcagacca  | gcactggccc | ttgcgtgagt | cagagcctgg | ggctggccct | 240 |
| agccccctct  | actgacttcc | tcatttaagc | caattatata | agctcacatt | gatcagggag | 300 |
| ggaggggaaag | agctaaagag | ggtcacacaa | gtggctatct | tccttgagct | gtttctgtgt | 360 |
| ggtgaaaata  | accagtgcca | ctaagggggc | ggagtgaatg | gatggctgga | ttttcccaaa | 420 |

```

gctccttata gcctaattgtt gtcaggatgt gagtatgagg aatttagcct cttatagtga      480
aatgagteca actctgggct ttgcttanana gaaagctncc gtcaggcttn ctataatatg      540
aaaagaagtc accattgggg aactagagac cccagacctt ttcatatgga tatttgagaa      600
tgtaatgcat ntangcctng tgctggaact ttaggcctnt aggcnggtta aaacacttga      660
tttt

```

```

<210> 280
<211> 448
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

```

```

<400> 280
actaccacag actgttgact tttagtttct taaagagaaa aattgccttt ttactagaaa      60
gcctttgtat attgcaattt ttctgtttgg gaaaatctaa ggatttactg tggttagtct      120
tacagaagaa atgtggattt gataaactag tgcctatgat ttaacttat gtttgatata      180
tagtagtaag ggttttatga atgttgatta ttttgtgcca acagcccaga attgtcactt      240
atatgtaagc agaaaaacaat gagctctgct tccaaagtta ttaattttc tcagtgtttg      300
aatgttattt tttgtaagtg tgtaataaaa agtgtaaaaga attggaaaaa atataaatat      360
tcttaactca agcatttgct ggatcatttt tctacaaaac ttggttgtag tngaacctg      420
tgtatcancg ttgtgtaaac ctagtacc

```

```

<210> 281
<211> 677
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(677)
<223> n = A,T,C or G

```

```

<400> 281
gcgtggcgcg gcccgaggta caccttcaca gggaatccgc aggcggggat cttcagtctc      60
ctttaacacc ggaaagtatc aacgggacag atgatgaaag aacacctgat gtgacacaga      120
actcagagcc aagggtcgaa ccaactcaga atgcattgcc attttcacat agttcagcaa      180
tcagcaaaca ttgggaggct gaactggcta ccctcaaagg aaataatgcc aaactcactg      240
cagccctgct ggagtcctact gccaatgtga aacaatggaa acagcaactt gctgcctatc      300
aagaggaagc agaacgtctg cacaagcggg taatttcagg gctgatgtct atagggattt      360
agggctaaca ggttttcttg atcagaagaa attttgcatt tagattcagc acagggatat      420
cttctagttc taggatgtca gaacatagat atgggttgna tgatatgcat ttggttgatt      480
aagaaaaata tttccatag tttaatgaga atgaagaata tacccttttg aagcaacaaa      540
ncatgtgatt cccatattat catggggcta gngtatgcnc agtcctgccg ggcggcgtaa      600
ggcaatcagn cctgnggccg tctnnggacc acttggccac tggngacagg caactgtctg      660
ggaatgncct ccatccc

```

```

<210> 282
<211> 691
<212> DNA

```

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(691)

&lt;223&gt; n = A,T,C or G

```

<400> 282
cgaggtacct tgctgtttat tccttagtct agcagcatcc ttagtttgta gtatatctta      60
cttagttgca actaaaaaaaa attgctagcc taggctttaa ctgggagttt ctattatcta      120
gaaggttact gtgaaccttt cagaaaaagt gaaagcaacc aaaagagctg tctcaaagac      180
tgtgtccccc cagagtttgt ccagctctta ctgtagacac tctgaacagg cacggttatc      240
tcatgtccaa agctcataac agcacattag aagaaaagtgg ggagcctgtt agaagcaggc      300
atattgatag tgtgggagaa gacatagcaa attacttagc agatatttta aaaattttta      360
aatccaacag cagtctgagg caaatgattc tgtatacctc agggctgaga gaatcacttt      420
ataacatatt tgnatatagc ctttacattt tatgaagtgn ttacatata tcagagctgg      480
atcttataat aatacattat gaataaact ttaacttttc atcatgaaaa tgtgaattat      540
actgacctga tgtaagaan aangccggaa ggtttctaac atacctgaaa tctcccttaa      600
aataattcca ggtttaaaang tggnccttga aanttcccta ctttccaaaa tntatgacct      660
gccgggggcn nttnnaaggng aatccnnct n                                     691

```

&lt;210&gt; 283

&lt;211&gt; 668

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(668)

&lt;223&gt; n = A,T,C or G

```

<400> 283
acatgggttct gtgacatggc tggaggtggg cgttctggac aagtaaacaa tttactgggg      60
agggtgtctgt gtttcacact taggtcgcta agtttttagc caaggcttta gttgtcctcc      120
atgagcaatt gtagaaattg gaaatttgta atgatttttt atgagaaaagg ccacgaatgt      180
gtgttactat tagagtatat ccacatattg tccagtcatg gaaaatggcc taaaagataa      240
tttacctgca aaacagaata ttatgcagct attaaaataa tgcataatgaa gatttgccat      300
agagtggaaa aatgcttggt aggtaaaaat caaaaaaaca tgtaggaaac aaaattttac      360
atatttgatc tccactgtat aaataaataa aatggagaaa catttgagaa aaatcatcca      420
ataatgggtg tctgtgggtg gtaaaagcaa ttgaaatgtc ttccttacac ttttaataat      480
ttttaaaaag tatgtaaaat gccaatatg acaatgctaa gctagatgaa catcccatcc      540
aaattggaag cccattttaa atttagaaag cncgggttga ttcccttctc tatccttttt      600
taaagcaaat ggcccannc tggngnnttt ttgacccaac ctttcaaaat tnggctaact      660
ttntgaat

```

&lt;210&gt; 284

&lt;211&gt; 777

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(777)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 284

|             |             |            |            |             |             |     |
|-------------|-------------|------------|------------|-------------|-------------|-----|
| acagtatttta | agggattttc  | cttttagctt | ttcatctcca | gtggcattaa  | acataaaaaag | 60  |
| accctggcat  | tttttcacat  | acttgaatcc | ctaaatgcac | ctgtctttca  | ctttttgaga  | 120 |
| cagactgaat  | atatctaaaa  | tttccagcaa | taaaaaaaaa | gcatttaact  | tgcaccaagc  | 180 |
| aagaaaatat  | aaatacagtt  | aactgcatta | agataatcac | gttaaaaattg | ttactatgca  | 240 |
| gcacagaact  | tcattcttat  | agtattcttg | gggtcaacct | ttgaatcaat  | tttaccactg  | 300 |
| attaaataaa  | tgactcaaag  | acatctgtaa | gtcatgctgc | tgtgttttga  | aagtctttta  | 360 |
| ctaaattaag  | aatgcagaat  | ggatagtgat | tattcaatta | gaatttaagt  | aaggggatgg  | 420 |
| tgatantana  | aggctggaaa  | atnccttaat | ttttaaaaaa | atcagaatag  | gcnttttaaat | 480 |
| aggtaaaatc  | actttcaatt  | ntccccaaa  | acctgnangt | ttcccggaaa  | aaagggtttta | 540 |
| aggctttnaa  | gggtggggaat | gncccaaggt | ttttaactta | tnccatggaa  | gccanngcct  | 600 |
| tgcatgggnn  | ccttagggna  | acccccngaa | ttccnttccc | aaaagggggg  | tttaccnttt  | 660 |
| tggaattnaa  | tttggggnaa  | ccttattngg | nccttngggg | nttaccttng  | gaaanaaaat  | 720 |
| ttntttttaa  | atnntttcan  | ggggnnggaa | atttaaaggc | cttttttttt  | gggaaaaa    | 777 |

&lt;210&gt; 285

&lt;211&gt; 692

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(692)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 285

|            |             |            |             |             |             |     |
|------------|-------------|------------|-------------|-------------|-------------|-----|
| ggtacaagct | tttttttttt  | tttttttttt | tttttttttt  | aaggatttac  | ttttcttaac  | 60  |
| aagtgaacaa | tttgcttcta  | agcgtcaatg | aaaggcaaca  | cctccctnta  | atggccaaag  | 120 |
| gaagagagtg | gcagtaagct  | ggcttttcca | atgngtcaca  | caatccttca  | tgccattaag  | 180 |
| ttctccttgt | tggaagagaa  | attaggttgt | tttgataact  | tagaaaagtt  | agtttttagac | 240 |
| aacagtgact | ttcagctaca  | aatacaaaat | caaatccatg  | tatataaggc  | ttctgtaatc  | 300 |
| gatgtcttag | aggaacatct  | gtcatttttc | tccaagcccc  | agtcctataa  | atcaaggcaa  | 360 |
| gtcaagtaat | taagcttcaa  | ctattttggc | agcttttgcaa | ttaaaatgag  | cnaagcacta  | 420 |
| tatctatcct | tcataatcngg | atatattaaa | ggccaacttt  | ggtaacncca  | atnttacatg  | 480 |
| ccgagaggcc | taaaatttnc  | nntttggggt | ccnggtttta  | ttaaagncca  | taanggnctt  | 540 |
| gcnacnaatc | tttttcccc   | ncccaaggga | aatttccctc  | nnattaccaa  | acccctgnct  | 600 |
| caattttntt | ccccggnaat  | ttgaaaggcc | gggtttntcc  | tttcaaaaana | aattttcccc  | 660 |
| ggggattaan | atttggggccc | caatttctta | nn          |             |             | 692 |

&lt;210&gt; 286

&lt;211&gt; 709

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(709)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 286

|            |            |            |             |             |             |    |
|------------|------------|------------|-------------|-------------|-------------|----|
| actgtgccag | ggatattgag | atgctctggg | gggtgtattgt | atacctgccca | gtttttcttca | 60 |
|------------|------------|------------|-------------|-------------|-------------|----|



|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| tttctgaatt | gagttttctt | ttcttgatgt  | tggtttcctt | catatcacct | caaggtttag | 120 |
| atttgtgaag | gaataagcat | gatggaaata  | atagtcttga | aaggagatat | gttgtatata | 180 |
| atcaggagga | agaggaagga | aggacttacc  | cattttgata | ttttgctgta | ggtggccagt | 240 |
| tttgtttctc | atagggaaat | ctgaccacc   | tgcatgttg  | gtcctaagg  | aactgctgtt | 300 |
| gtaagcggct | catcaagagt | tgaacttcac  | gtagccttgt | tgggaatatg | gaaaaggaag | 360 |
| aaagccacag | gactgcccac | tcagtcttgg  | gaagattggg | atgattctgc | acaagcaaaa | 420 |
| atgactgaag | tttatgtata | gacacacctc  | taccaatcca | tcttcagctg | actgaatgtt | 480 |
| gnatgatacc | cttcttcaaa | gcagangtag  | aatggtcang | gttcacccat | ggaattttct | 540 |
| acttaatttc | gtttttngga | atcaacttta  | ccnnaatncc | aggteccctt | tnggaaaaaa | 600 |
| tccttaaate | ttttgctttt | ttnaaaaaat  | aanttnnggt | catanttaaa | ggcccttggg | 660 |
| ttaanccang | gttnccnggt | ccnattttatt | tgaacccttt | gcccttana  |            | 709 |

&lt;210&gt; 287

&lt;211&gt; 231

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(231)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 287

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| acaagctttt | tttttttttt  | ttttgtanag | atgcgggtct | cactatgttg | 60         |     |
| cccaggctgg | tctcaaaactc | ctgggctcag | gttctcctcc | tgcctgggcc | tcccaaagtg | 120 |
| ctgacatcac | aggcgtgagc  | caccacaccc | agcccttttg | ggtgttttta | aatataactt | 180 |
| tggcatttat | aacaaatgca  | accacatgtt | anatcttatt | agaagtacct | n          | 231 |

&lt;210&gt; 288

&lt;211&gt; 681

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(681)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 288

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| acctctcttt | ccagcaccca  | ggccagtatt | gagatcgatt | ctctctatga | aggaatcgac | 60  |
| ttctatacct | ccattaccog  | tgcccgattt | gaagaactga | atgctgacct | gttccgtggc | 120 |
| acctgggacc | cagtagagaa  | agcccttcga | gatgccaaac | tagacaagtc | acagattcat | 180 |
| gatattgtcc | tggttggtgg  | ttctactcgt | atccccaaga | ttcagaagct | tctccaagac | 240 |
| ttcttcaatg | gaaaagaact  | gaataagagc | atcaaccctg | atgaagctgt | tgcttatggt | 300 |
| gcagctgtcc | aggcagccat  | cttgtctgga | gacaagtctg | agaatgttca | agatttgctg | 360 |
| ctcttggaag | tcaactcctc  | ttcccttggt | attgaaactg | ntggtggagt | catgactgcc | 420 |
| tcatcaagcg | taataaccacc | attcctacca | agcagaccag | accttnacta | cctatctgac | 480 |
| accagcctgg | ngngcttaat  | canggttatg | aaaggcaaac | gtgccatgac | caangataca | 540 |
| acctggtttg | gcaaggttga  | aactacaggc | ttacctntgg | accccgaggg | gtcctnaaaa | 600 |
| tgaagtcctt | ttgacattga  | gcccaggggt | actcaaggnt | ttgttnggca | aaaancttgg | 660 |
| ccggaaccct | angggaattn  | n          |            |            |            | 681 |

&lt;210&gt; 289

<211> 565  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(565)  
 <223> n = A,T,C or G

```

<400> 289
actcaaccta acttatagtt agcagctgga attctcaact cttccctgcc agcactatac      60
cacagtgtgg aagaaattag tcaaatgctt gttttcctgc ttctcttttc agctgttact      120
gtgctttggt tgaaagtagt tttctctctc aaagccgttg cttatatcgt taagaatgaa      180
ggttttgtgt taaaatttat tgcattgcaa agggtagttt cactgaagtc atgcaccatt      240
aaataagatg aaatatttgt atttattgtc ctacttccta agccgtaact tcttttcctc      300
tgtgaatttg cattgagtca ctcatgctac actacatcgc tttagtattt gagatggcat      360
ttatgtttcc tctcgtttat catgaaatgg ggtcagattc catcagattc cacctctgtc      420
aggtggactc ttgtctgcct tccatgatga gatttttttt tctccttccc tttctttaag      480
agaggctgcn gaactangng gcaatcaatt tggnaaccag tctctggnnt tttttcatta      540
gtaattttcta tcatagttca ctggg                                     565
  
```

<210> 290  
 <211> 699  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(699)  
 <223> n = A,T,C or G

```

<400> 290
ggtacacaat tctgcatttc tctcttggtg atgggatccc agttttattg caggaggcag      60
tgtgccagtc tcagtagatg gaacacgatt ggtctattca gccatgacaa ttctgttccc      120
tgctgtctta gctttgtttg cagctagagg tgcaatggta gctggctcgg gccaaaggga      180
tctaagtga gatatgcaga gggagagagc aggaaacaga cttctgacga ggttttactt      240
tctgatagaa ggtgacaggt ccagctagtt tggcccttcc tcttctccca cccctccttc      300
cttgaacgca gacatgattc ttggggatag agcagccatc ttgggacccat gaagtaacga      360
gcactgagat taaggcaaaa ggatcaagac gtgaccccta ccttcgtgga gttggtgaac      420
caataccatt aacccaccca tctccagaat ccattgctatg tggnaaaaca atcttctggt      480
tggttaaacc actgnaattc aagggtttcn ttncttgcaa ctgaatggaa gnccttttta      540
naagggtacct tgacaaaaat gccnaaggaa ncttggcctt tggaaattgg ancccgnaan      600
acctgggttt ttaagcccat tttggcnnn tttnggnaag ctttaagggt aaggcctgaa      660
cctttggccn aaagggggna actngggttc cccctttcc                                     699
  
```

<210> 291  
 <211> 699  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(699)

&lt;223&gt; n = A,T,C or G

```

<400> 291
ggctacttggg gacttcaggg atacagcctg tccagaatat ggctatccta ctctcctact      60
cagaaagaga tcctgtccct ggaggctgta atttggagtt cgatttagat attgatccca      120
acatttactt ggagtataat ttctttgaaa cgactatcaa gtttgcccca gcaaaccctag      180
gctatgcgag aggcgtagat cccccacat gtgacgctgg gacagaccag gactccagggt      240
ggaggttgca gtatgatgtc tatcagtatt ttctgcctga gaatgacctc actgaggaga      300
tggtgctgaa gcatctgcag aggatgggtc gtgtgccccca ggtgaaggcc agtgctctca      360
aggtggttac cctaacagct aatgataaga ccagtgtttc cttctctcct tccnggacaa      420
ggtgtcatat accatgtcat tgggtgggac ccggttctaa atcatctgct ggctacattc      480
ctgntnacac atacccttgc aactttgang cnngaaaagg taagtggggc cttcctaagg      540
aaaaggnttt tccaaggggt cntcaatctt tttgncccgg ntnggntnct tnaattgggt      600
ntttggaccc cnaatttggg aaaccgaaat attnttnana ggctttannn nnggggaann      660
tntttnaaaa ccggnctcnn nantggccct tttaggttnn      699

```

&lt;210&gt; 292

&lt;211&gt; 688

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(688)

&lt;223&gt; n = A,T,C or G

```

<400> 292
acagtcattc cactacctgg ctatttcatt acttgggtgct ctagacaagc tcccaagaac      60
tgactggatc ttggcttgtt ctgtttctgt cattgctaata ataatatgga aaacattgct      120
gaaaagaaca gagatggcca tggatatggc taggttaggt attcatatcc aaatatctga      180
actctaacct aatgtggata tgattctgta gcattatatt aaaagctatg atgatgcaat      240
gcaggaaaata acccttcatt ctccccctta gaggatcacg acaggtgctt caatgcctgc      300
cttatctatg ggacagtagt gtgattctca gtgagaagtg aaggcctttg gggatttgag      360
tcaggaaaagg gaacatggct aagtgcctgg aaactctggc aacagtctgc gggtagaatc      420
tacttggcct ctggataaga aaatctgtgc ttcantgaac ttaagnnggt tgggaaaatt      480
taaccacagaa ttttnnanga agcataagtn cctgggtcaa ganaaccagc ttacggaaca      540
tgcacattct taacatangc aacctttggc caatnaatcc catnggatgg ccccttaag      600
ggaaagccat tttgggttct tggatcccaa cnttttaagt tcaaactttt tttttaagnt      660
tttagntcct nggccccttt agnaaggn      688

```

&lt;210&gt; 293

&lt;211&gt; 572

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(572)

&lt;223&gt; n = A,T,C or G

```

<400> 293
ggctactgctc tgctaggcca gtgacaaatg gccatcagag atgtgggtcg ggtcagcatt      60
gtccttctcg gtgcaggcca tgggtttatc agagcactga ccaccctgtg gcactgtaac      120

```

|             |             |             |            |            |            |     |
|-------------|-------------|-------------|------------|------------|------------|-----|
| aggtgaccat  | aggagacttg  | tgccctggaga | acttggggcc | actgtggtag | gaacagcagg | 180 |
| ggttctggaa  | atggacacta  | atcctaggat  | tggaacccc  | gcttgctgtc | tgctctctgg | 240 |
| gtgtctcagc  | ctgtctccca  | cctgcctggg  | actgttttct | cttgggtgga | ttgggaagct | 300 |
| catgtgtggc  | ctcatctcac  | gggggtgaggt | gaagactcaa | tgaggcacta | cctgggttcc | 360 |
| acgggggtgtc | ccccgtgggt  | ctctccccca  | gggtgtccct | gccccctgtg | caagccagtt | 420 |
| tctgctgaat  | taccagcca   | gctttgccaa  | accacctgac | tttccctcag | aagacttcag | 480 |
| gcngaaaaac  | aggggttaaag | acctaccctt  | tctgaacttg | gttcantgct | antgcanaac | 540 |
| caagtccttc  | acaancttag  | gacccctatag | gt         |            |            | 572 |

<210> 294  
 <211> 692  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(692)  
 <223> n = A,T,C or G

|             |            |             |            |             |             |     |
|-------------|------------|-------------|------------|-------------|-------------|-----|
| <400> 294   |            |             |            |             |             |     |
| acttcacaag  | tgtatgaaaa | tgatgtgacg  | ttaaaggctg | ataaaggcaa  | aacagaggac  | 60  |
| actttcttca  | tgagcaacaa | accccaaaga  | tacaaagaca | agctaccaga  | tagtgggtgat | 120 |
| tctatgctta  | ggatcagcac | cattgcttca  | gccattgcag | aggcatcagt  | taatactgat  | 180 |
| ccttcccaac  | ttgctgcaat | gatcaaggca  | ctttcaaata | aaaccagaga  | caagactttt  | 240 |
| caggaagatg  | agaaacaaaa | ggactattct  | catgtgctgc | atttcttacc  | taatgattta  | 300 |
| gaaaaaagta  | atggatccaa | tgcaattgat  | atggagaaat | accttaaaaa  | aacagaagtt  | 360 |
| agtagatatg  | aaagtgcatt | ggaaaaacttt | tcaagggcta | gtatgtctga  | tacttgggat  | 420 |
| ttatctttgc  | caaagaacaa | actactcaag  | acattcattc | cgggtggactt | aagtgtctta  | 480 |
| gtggnaatgt  | gaaggccccc | gaagaaaaacn | cagcagctat | tgttatgttg  | aaaatggnga  | 540 |
| gagtggagaat | caagaggcnt | ttagaancct  | aaacttctca | aatccggttc  | caattgagag  | 600 |
| aatacngggc  | cntanttgat | gggaaaaactg | tccnttgcac | caattccaga  | agtnggaccc  | 660 |
| atnaaaactn  | cctaatttcc | ctccnttgga  | gg         |             |             | 692 |

<210> 295  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(459)  
 <223> n = A,T,C or G

|             |             |            |            |             |            |     |
|-------------|-------------|------------|------------|-------------|------------|-----|
| <400> 295   |             |            |            |             |            |     |
| cgagggtacaa | tgcaacaaaa  | tacaaaatac | atgcttggtg | aacattcggt  | catatctaca | 60  |
| agacggcagc  | tagagattag  | gtttcaatac | tgaccattta | ctatcctaca  | agcaattagc | 120 |
| attacatcat  | aatatgccat  | caaggcaact | ttttttatac | tgaaaaaatc  | aaaataaaaa | 180 |
| ccgttatttg  | taaactttta  | tacgaaatgt | aactcttcaa | gtggaaataa  | aaaataaaat | 240 |
| ttgtctattt  | actattgaat  | acacatagga | tttcaatttt | cattataaccg | agaaaaaagc | 300 |
| tcttttgtgt  | tgggaaaaata | atgcttcaaa | aaataattag | tagaaaaacc  | cactagtata | 360 |
| atgntttgcc  | tttcaatgcc  | agcacagatt | tgggaacata | ctgaggatga  | aagttataga | 420 |
| cattcacagg  | tgaaatgtcc  | tgccnggcgg | ccgtcgaaa  |             |            | 459 |

<210> 296  
 <211> 677  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(677)  
 <223> n = A,T,C or G

```

<400> 296
taaagactac ctacacatag atatatgatt ccaaagtcac actttctcca tccccacatt      60
agccaagtga atacagggcc aaatgggttc ttggaatgat aataacaaag cattacaaag      120
tgggtcccct tgggtccagc cttgtccaga gtttttgggt atatatctct atttattaca      180
atttaccttt taaattgtaa aataaacctt tgtgtggaca gagccaatgt ttcaatcttg      240
aatgagtaaa gaaaataact ttggaactgat cctcattttg aaattgggtc taaattatta      300
tccatttcca atgtctgaaa ttctcttact tcctgctaaa actctctttc tgccaaagtt      360
gtttcgtaat ctgtctcaat gactataatg taaaattaaa gaagtaacca tgcttctcaa      420
gggggggaatt aaaagtgggt aatggatttt actcaggcta attgggtggn cagaaattcc      480
taaggccaca gctttngggg ggtccgtgta natgtccagg anggcagnga cattagttcc      540
ttcttntgnt aatcccaaaa cttagaaacc nataatctta ccctggcatt tctttntaa      600
aatggccagg ccnttggggg ggaccttggc cggacccctt tanggggaat ccnccactgg      660
gggccgtctt agggann

```

<210> 297  
 <211> 574  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(574)  
 <223> n = A,T,C or G

```

<400> 297
accgtgggtg tagaatgatt gttatgtact gcagacaaaa tctgctttta gaggcaagcg      60
gatttctgac aaagtaactg atccttttga tggcataaat tcactttggg gactagcctt      120
attcttcttc tgaggtcctt cgttcttcaa tttattcaat tcatcaatca aaagtgttct      180
cttccccagt gcaattagaa gaagtctttc tgcttcagct tcttctaggg acccttttcc      240
atgttcttca tcaacacagc agttaagagc ctggctagct tgatagatca ctgtctgttg      300
catatttatt tcgttattga gttcctgcat tttctgtttg atattaactt gacaaggaaa      360
ggcattatth ttttcatcca gttttgaagt aacatcttcc ttccgaacaa tcacctgctt      420
tattgatgga cgttctgntt ctttgaatct ttgagatcta tatgcatcaa tgctgtaaag      480
aagatcacga tcttcagaac ccaggctatc accagattca actcgaangga ccnagttctt      540
tggaattttc ctgggtttgg actttcatca cttt

```

<210> 298  
 <211> 535  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;222&gt; (1)...(535)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 298

|             |              |            |            |             |            |     |
|-------------|--------------|------------|------------|-------------|------------|-----|
| ggtacatttta | gcttttgggaat | gatggagaga | cacagagata | tatgttaaacg | tcaagagaat | 60  |
| cactccactc  | cacgtctggg   | tccacaccct | tccaggcttt | gtctggaaca  | ttatgtggct | 120 |
| ggtgcctgat  | tccacagtga   | ggatgcagga | gcccggtgg  | tgatggataa  | agcattagga | 180 |
| gacaatcaag  | tgtcaggaat   | tggtcaataa | gaacggctta | aataatgatt  | taacaaggaa | 240 |
| gacgagtaaa  | aaacaatccc   | atttcattct | tagaaagaat | taagtcacta  | aatgatttct | 300 |
| tctaagttgt  | tgccatttgc   | ttggatgaga | tcttgaaggt | tttccattct  | tttccaccc  | 360 |
| agttaagaac  | acattgacta   | gaaatttgtg | acaagaatct | agtaaaggcc  | ttttccctcc | 420 |
| tgctcctcat  | tatgccaatg   | caagaacact | tatagcttcc | tgngccaaag  | tatttgacat | 480 |
| ccatgncttc  | atcttggcct   | aacttctgna | gtacctggcc | gggcggccg   | ttcna      | 535 |

&lt;210&gt; 299

&lt;211&gt; 644

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(644)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 299

|            |            |            |             |             |             |     |
|------------|------------|------------|-------------|-------------|-------------|-----|
| acatatttcc | cgggataaga | tcaccaggcc | aggagcgaag  | ctatggaaga  | aaggggaagg  | 60  |
| gctccccaac | tttgacaaca | acaatatcaa | gggctctttg  | ataatcactt  | ttgatgtgga  | 120 |
| ttttccaaaa | gaacagttaa | cagaggaagc | gagagaaggt  | atcaaacagc  | tactgaaaca  | 180 |
| agggtcagtg | cagaaggtat | acaatggact | gcaaggatat  | tgagagtga   | taaaattgga  | 240 |
| ctttgtttta | aataagtgaa | taagcgatat | ttattatctg  | caagggtttt  | ttgtgtgtgt  | 300 |
| ttttgttttt | attttcaata | tgcaagttag | gcttaatttt  | ttttatctaa  | tgatcatcat  | 360 |
| gaaatgaata | agagggttta | agaatttgcc | atttgcattc  | ggaaaagaat  | gaccagcaaa  | 420 |
| agggttacta | atacctctcc | tttggggatt | aatgctgggtg | ctgccgctga  | gtttcaagaa  | 480 |
| ttaagctgca | gaagactcag | gagcaaagaa | ccccatntta  | aggggtggagt | gtaccattcn  | 540 |
| tcaaattgcc | ctgggaagct | gtttaancat | ttggngtatt  | caaaaaaaaa  | aaaaaaaaant | 600 |
| ttcttgcgca | ccctangnaa | tcaccctggg | cgtnttngan  | cann        |             | 644 |

&lt;210&gt; 300

&lt;211&gt; 642

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(642)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 300

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| accttcccaa | ccattagagt | gagtcaccct | agaagcaa   | tctccagctc | cagtgcattc | 60  |
| tttagataac | tgccactctg | gtcactatct | tatctacaac | ctcatgagaa | acctcagcca | 120 |
| gaaccaccca | gctaagttgc | ctctgaattc | ctgagccaca | gaaactggga | gataatgttt | 180 |
| actgtttaag | actttaaatt | tggagtaatt | tgctattcag | ccatagaaag | tgacactcat | 240 |
| ttcttcgtgc | ccgacactgc | tgtctctgtg | gtttcacatc | cctgtgggta | aagctctcca | 300 |

|             |             |             |            |            |             |     |
|-------------|-------------|-------------|------------|------------|-------------|-----|
| aggggtcctc  | actaatttca  | ggataaaaatc | taaatccctt | aacatagcat | agggtttttta | 360 |
| caaactgcct  | cctgtgtgcc  | tctcagcccc  | atccggccca | ctctgccttt | cctncctgga  | 420 |
| tcactccagc  | tactctgaaa  | catactgnac  | cttnctaaat | gcngacagat | aaaattggca  | 480 |
| gacttttcat  | aggatgcccc  | gtgaaatttg  | aatttcagat | aaccatgaat | aatgngtgtg  | 540 |
| gggtatacaat | atttggggaca | tcctatacta  | aaaatattgc | tgacncatat | tcttcaaggt  | 600 |
| attaatttaa  | tctgaaatcn  | catttaatan  | ggcatnttgg | gc         |             | 642 |

<210> 301  
 <211> 589  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1) ... (589)  
 <223> n = A,T,C or G

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| <400> 301   |            |            |            |            |            |     |
| cgaggtagccg | tattatgaac | taacaaaata | tttttgtttt | acatcagtct | taatagtccc | 60  |
| attttgctca  | attgggaata | gtgctagctc | tcttgtttga | gaactgttac | ttcaaaaaaa | 120 |
| atccaatgca  | agggtgctgg | aagtcctctt | cataacctta | attaatactt | gttagtgatt | 180 |
| tacagtaaaa  | ctgcttttag | tgaagtatat | tcacttggcc | cataaacact | gaaatagatg | 240 |
| aggtaatgat  | acattagtaa | tgtagtaata | aattagtagt | ccaattctga | caaaaaatta | 300 |
| ccaatagctc  | ccccacctt  | cacttacaag | agggttcctg | gtttgaacct | taacataccc | 360 |
| tagatatata  | tagcaattct | gctgatagga | aaaccaagtc | ttagcacaca | gctaataaat | 420 |
| gacaaacatg  | ggactagaat | ttaagtctat | actgccatga | acctcatgag | gaggagccaa | 480 |
| attgntaatt  | aagttgcact | ctagttacca | gcactaacan | aacacaaacc | aataacatgg | 540 |
| gtgtgggcta  | ttnanaaaaa | ataactgggg | gaaaacatta | cttttntgg  |            | 589 |

<210> 302  
 <211> 577  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1) ... (577)  
 <223> n = A,T,C or G

|             |            |            |             |            |             |     |
|-------------|------------|------------|-------------|------------|-------------|-----|
| <400> 302   |            |            |             |            |             |     |
| ggtagctgaa  | atgttgctgg | ttaaaagttt | ttctgcttta  | ctcattcctt | tgacagcatt  | 60  |
| aatttgtaga  | catttatatt | cagttcagct | gtatttatgg  | cacaagatct | catttccaaa  | 120 |
| atggcactaa  | ttttccctaa | gtgtaacagc | actctatttt  | tagcagtaat | tatatattta  | 180 |
| aaggtttaatt | tgtagaacaa | atgttttaac | tatacttttt  | ttctactcta | tactccccag  | 240 |
| ttacagtatt  | tacaaagggc | tgaagtctat | ataaaaaaat  | gatctttggc | tgggcatggg  | 300 |
| ggctcatgcc  | tgtaatccca | gcactttggg | aggctcgaggc | aggcggatca | cgagggttagg | 360 |
| agtttgagac  | cagcctgacc | aacatgaaga | aaccctgtct  | ctactaaaaa | tacaaaatta  | 420 |
| gccaggcatg  | gaggcaggcg | cctgtaatcc | caactactcg  | ggaggctgan | gcaggggagaa | 480 |
| tcgcttgaac  | ccgggaggcc | gaaggtgccg | tgagttgaga  | ntggccattg | ccttcagcct  | 540 |
| gggtgacaaa  | cgagtttcaa | aaaaaaaaaa | acattttt    |            |             | 577 |

<210> 303  
 <211> 673

<212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)...(673)  
 <223> n = A,T,C or G

<400> 303  
 ggtacattta gcccattgagc ctggcacaga tccctatcta gacatgaggg ccttttagaca 60  
 tgacttttggc attgaccagc ctgttggcaa tgggtcgggg aggcagaggg gatgctcaca 120  
 ccagtaattc tcatcccctg aatgcttggg atcacctggg gagagttcac aaaatactgg 180  
 tgcaggggtc ccacctctga tgatgctgag tgggtgggtct ggggtgtggc ccaggcatca 240  
 tgatgtttca ggccccagc tgacttctta ggcagcccag ctaagcccct agagccttgc 300  
 aatttcccc aaatgacctc agagggcccc atttgaggga aatgcctaac ttcagggggc 360  
 cgtaagaatc ccccagggag catgtgaaat gcagatacca ggcccacccc cagagatgag 420  
 ctgangtggg tcaaggggtg aaagtgcang gatcaagtgt ttttcacaag ctccatacct 480  
 tcaggaaatg gtgttgtggg ttggggcccg anaaaacatt cttgagagtc ctgggtgnctt 540  
 gtgccttggg gcaccttggg gtgggaatnc caatgggncc ttgncttga ggaaggatgt 600  
 gccattaacc tggttaaggg aaacccgaaa ccggtttcaa cttgnccttg gccaaccgg 660  
 ggacccttcn aaa 673

<210> 304  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<400> 304  
 ggtactgggc tcccatttat ttgaaatgtc caaaataggc aaattttag acgaaaagta 60  
 gatcagtggg ttcctgcagc tgaagtgtag gttgaaagt gagcatgact gaatgccctt 120  
 tctaaaacaa gtaaacctat aattcatatt tccctaagaa aataaaaatt ttattaaatc 180  
 aagatttaat ttaccatgaa gaacacagag ttattattag tgcaagactt tattcatcct 240  
 ctccccagcc aaatcccaag aggatggcca cctttggaac tttttactgg cagcttactt 300  
 aacctaagtc agtctcctaa tctagtgtc tttgaaatgg ggatgtataa gacaaccatt 360  
 tgacacaggt agaaaacttt tactttttta agcccattcc cctggtaaac aatatatgta 420  
 cctgcc 426

<210> 305  
 <211> 655  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(655)  
 <223> n = A,T,C or G

<400> 305  
 ggtacgagat tctgtgtgtc agccagttta cctccagtg tgtcctgaag ggaaacaagc 60  
 ctgatttcca cctagcaatg cccacggagc aggcagaggg cttctacaac agcttcctgg 120  
 agcagctgcg taaaacatac aggcgggagc ttatcaaaga tggcaagttt ggggcctaca 180  
 tgcaggtgca cattcagaat gatgggcctg tgaccataga gctggaatcg ccagctcccg 240  
 gcaactgtac ctctgaccca aagcagctgt caaagctcga aaaacagcag cagaggaaaag 300



|            |             |            |             |            |            |     |
|------------|-------------|------------|-------------|------------|------------|-----|
| aaaagaccag | agctaagggga | ccttctgaat | caagcaagga  | aagaaacact | ccccgaaaag | 360 |
| aagaccgcag | tgccagcagc  | ggggctgagg | gcgacgtgtc  | ctctgaacgg | gagcccgtag | 420 |
| ctcaggaggc | agaattcaat  | gtgttatcat | tgggcagaac  | tggatcctga | aaaattcaag | 480 |
| atgctaagca | cctacactac  | tttaagaatt | tggaaactgaa | catgaanaag | aagacngaaa | 540 |
| ttagaatttg | ggaacctgaa  | tagcttttgc | aaaaacaccc  | aagggccggg | taatcgtttc | 600 |
| tgggtgtgct | nnggtggaat  | gatncatggg | ccttgccttg  | ggncaagggg | cngnt      | 655 |

&lt;210&gt; 306

&lt;211&gt; 684

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(684)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 306

|             |            |            |             |            |             |     |
|-------------|------------|------------|-------------|------------|-------------|-----|
| cgaggtacaa  | cacgcctcca | tgtttcagca | tctacgtcat  | gggcttggtt | ctggagtggg  | 60  |
| ttaaaaacaa  | tggaggtgcc | gcggccatgg | agaagcttag  | ctccatcaaa | tctcaaacaa  | 120 |
| tttatgagat  | tattgataat | tctcaaggat | tccacgtttg  | tccagtggag | ccccaaaata  | 180 |
| gaagcaagat  | gaatattcca | ttccgcattg | gcaatgccaa  | aggagatgat | gcttttagaaa | 240 |
| aaaagatttc  | ttgataaagc | tcttgaactc | aatatgttgt  | ccttgaaaag | gcataggtct  | 300 |
| gtgggaggca  | tccgggcctc | tctgtataat | gctgtcacaa  | ttgaagacgt | tcagaagctg  | 360 |
| gccgccttca  | tgaaaaaatt | tttggagatg | catcagctat  | gaacacatcc | taaccaggga  | 420 |
| tatactctgt  | tcttgaacaa | catacaaagt | ttaaaggtaa  | cttgggggat | ggctaccaaa  | 480 |
| aggttaacac  | agtatttttc | tcaaataaac | catgccttat  | tgcagaattc | ttcntttttg  | 540 |
| gaaagaacca  | ccggccaaaa | cattccccaa | cttntgtaaa  | agctggtggg | gacctaatgg  | 600 |
| ccgcctttaa  | ttctgacttt | gaactggaaa | ncctttttaag | naaaacttgg | nggcttttnt  | 660 |
| aacaaaaatcc | cgcgtanttt | gnct       |             |            |             | 684 |

&lt;210&gt; 307

&lt;211&gt; 647

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(647)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 307

|             |             |            |             |            |             |     |
|-------------|-------------|------------|-------------|------------|-------------|-----|
| caggtcttgt  | atacacaagc  | gtccatgtct | cacacaaaata | ttgatgtgat | tattcttaag  | 60  |
| tgttaaatca  | ttaacactta  | aatgacttca | ttgggaatat  | tgagcagagg | gactgtgctt  | 120 |
| ctatgcactg  | ggcaaggcag  | tatttgctta | ggaaactaat  | ttagtcatca | gagatacttt  | 180 |
| cctaaaaagg  | aaaaataaaa  | aacaaaatgg | tgccactttg  | ggttgaagct | actttgttag  | 240 |
| gcttgaattc  | atttatatgt  | cttttgattc | ttaaaaaaac  | aaaaaacatt | ccattagaag  | 300 |
| caccagtttt  | tttgctcaga  | ctttgtggat | cagactctac  | actcaacaca | ctctaactta  | 360 |
| cttaaaggta  | tacaaaatat  | gctgatcttt | tttaaattat  | gatttcctga | atttttttct  | 420 |
| taagtcgtct  | caactgattt  | actcacttag | cttcctttcc  | tcatcaccta | gtataataga  | 480 |
| atgnatgtta  | cattttttatg | aatggcaggt | gtcattataa  | tctgnattga | cttaaaaaagg | 540 |
| ttcttctcca  | tgatgctaata | angtttttgg | atanttggga  | ggatacncat | ttgacagttt  | 600 |
| tgcatttttat | gnatgagccn  | gtatccatga | cggggcacgg  | attatag    |             | 647 |

<210> 308  
 <211> 660  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(660)  
 <223> n = A,T,C or G

```

<400> 308
acctttgttg ctataaacca gatggagact gtggtgctat tttgtatttt ttttttaatg      60
gaagggtgtt ggggtggcag tttttatcct tgaagacctc agatatgcta agtcaaccta      120
agcaaagtat actcgggtga accctagctc tgtgggggtga tctgcaaaat agagtatcct      180
ggtcatgtaa gttcaggaaa tgctacagac tcaaggatta tttttgggga ttcaccatgc      240
acagcacaca ttgaaggctg aaaagtcctt gcagaaaagga aactgactta actttgtttc      300
ttaaggatat ttgaccacaa aacccttagt ctgcatcaca ccaacctgat gcctnctgga      360
acctgtgttc tgtanaaatgc gtattagaaa atggttgaca acctgtttca ttatcagaag      420
tcccatttct gangacagtg gtctctgnct ggaaaataa ggtccagaat ctcaanttcc      480
agggaccagn caaggtctgg cacttntanc cagtaaaacc ccattgcata aatcttcatt      540
ccatcaaggg tataanttgc ttgngccctt tnacaaangg ggaaanaact cggaanaaag      600
gtnccttggg ccgggaacac ccttaagggc caaattccan acaattgnng gccgtaatna      660

```

<210> 309  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(401)  
 <223> n = A,T,C or G

```

<400> 309
ggtacacata tacacataac aagtgtagaa gtatatatta catacataca ctcaactctgt      60
ctggtatagg ctaattttga agaactccca taagtttctg ctgcttctcc cataactgct      120
gccaccacca tcagaattca taatcaaacc taaccttttt gtttggggca ccaaacttga      180
agacaaaatt aatttgcacc agtaaaacttc aagctgcttt ctttcttgaa aactaaacgt      240
ttaacgtata atgtctgttt ggatactggt ccaaattggt gattgcatgt gggttaatgtt      300
gcattagagc actttgcaat tgcataattc attaatgttt tgtgagcttg catttggtgag      360
ttattggatg atcagactga attttgcaag tatcacattg n                                401

```

<210> 310  
 <211> 502  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(502)  
 <223> n = A,T,C or G

```

<400> 310
acatgtttat ggggactcct aacacagggc tccccctcttt ttcactagga gtttcaetta 60
cagctgacaa tctatggggg cggggggggg gcgcggcaaa aaagcaatga tggaccttg 120
ctaatacccc cgaccccttt cttacaata taggtagatg tctatcgtca gcttgcctct 180
ttgccaagac ctaggaggcg gctctgccat gagctgctgt gtgctgccct cccacacctc 240
agcacactca tctacacaca cacaggtagc acccacctcg atgagaccgc cttgctctgg 300
cctgccccaa ccctggaagt tgaaaacata gagccattta tttctgcttc tactctctgn 360
gcccatgtct tgtccacgaa actttgctga acttccagga ccttacacct gaagccccac 420
aataacctgg atgttttgaa agccctngga aancagctn taganaaagg acccccttaa 480
gccgaaacag ggcctgttaa aa 502

```

```

<210> 311
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<400> 311
cgaggtaacct tactcagagg ggctttgatt tttttcaagc acaaagcaag aagttccctg 60
gattctaaaag cacactgtat ccaagttcct ggtggttgaa aataccttg acattgtttg 120
cagaacgaaa tcgagacttg tttcggaata ccttggtgta gtgccacttt acttcgcaaa 180
caggccacac aaatattggc aggatttgga cttatcgga caccacactc acagcacaag 240
atgtgtccag ggctgcgggc ggtggattct gccatatact ccatcgttct gtatgcctta 300
agttttcgcg cctccagacc agccctggat ttgctgaaaa cccgcaacaa aatagacccc 360
ggctgtcccc tcagctgcca acctggt 387

```

```

<210> 312
<211> 654
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1)...(654)
<223> n = A,T,C or G

```

```

<400> 312
ggtacaaaaa aatgcttctg gagatttctt tggcagaaat gcctttcatc tataatttca 60
tggagaactg ctttaattag cctaggtgaa aagtagtcct agcagtgtaa atatgtataa 120
ttagagtttt ctaatttcac tgtgagatct ctaacttttg agtggcaaac agatcaagtc 180
ttttgtcat agacttttct gtgggggttat taaaatgcaa aagctttatt ttttttaata 240
atgccatact ccattagtgt cagatgatgg tatggaattt gtcccttgc tttccccac 300
tgttactgct tcagtttata gattgccagc agagttcaga aatagagcag ggatttaccc 360
gttctttgct tggacatccc attttctttt gccagaccca tgttggcaat catgtatgaa 420
ctgngttata cttctcagtg ctttcttttt tctttttgat aagatggata tcaaaaatag 480
ttgctgtgcc aaaagtagta agccttcttc aagaagaaaa cccaatcttt ttctaataat 540
aatcctgnga aaatgcttca ttcattcatt taatttttaa gccaaaggtc accaaangct 600
gntgntttta actangaaat ttgaaatggn agnnttaaag cnttttaaaa aaag 654

```

```

<210> 313
<211> 656
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (1)... (656)  
 <223> n = A,T,C or G

<400> 313  
 acagttctgt cctggcatca tcattcattg tagtatggtc aatagggtgcc atgaaactca 60  
 gtagcttgct aaggacatga aaccgaagtt tcttgctttt gctggctttc ctatctactt 120  
 ttttgtggat tttgcttcgt aacttctgga ttgcaagcca ctgccttccc atggccacct 180  
 gatcgttggg atccaaggag ctgggtcttcc gttctatgag ttctcgaagg agctgggtgg 240  
 aaaagtcatt atcatcaaag atttcttcat ccaagtcctt cagatgagca ttagcagggg 300  
 cttgaggaag gatctccggg tcccctggca aactctctgg gacaggctga gctgctggct 360  
 cagggtttgcc aagaactcga tagacagagc gcttggtctg tgccttctga agtaatctct 420  
 ctttgnccat cagaatatgg tcgatctgag tcaaagattg aaccgttcaa angcaccaaa 480  
 acccttnccc agtttttcag aaacccagtt tgggtcttatc gggccatttc tgaantgtgc 540  
 cgggttctgn aaactggtaa agtcggcaaa acgctttgcc atgaacttgg aatagncttc 600  
 catntccggg tnccttttgc anggaccctt ntttgggtggg tgggtctttt tttttt 656

<210> 314  
 <211> 649  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)... (649)  
 <223> n = A,T,C or G

<400> 314  
 ggtacatgga ctggagctgc ctggagccca gccagagca tctcctcagt gctcatctct 60  
 atccagtcct tgatgactga gaacccttat cacaatgagc ccggctttga acaggagaga 120  
 catccaggag acagcaaaaa ctataatgaa tgtatccggc acgagaccat cagagttgca 180  
 gtctgtgaca tgatggaagg aaagtgtccc tgcctgaac ccctacgagg ggtgatggag 240  
 aagtcctttc tggagtatta cgacttctat gaggtggcct gcaaagatcg cctgcacctt 300  
 caaggccaaa ctatgcagga cccttttggg gagaagcggg gccactttga ctaccagtcc 360  
 ctcttgatgc gcctgggact gatacgtcaa gaaagtgtc gagaggctcc ataatgagaa 420  
 tgcagaaatg gactctgata gcagttcatc tgggacagag acagaccttc atggggagcct 480  
 ganggtttag accctgggtc atctcccttc cccacttaag aagtccagca gaatcctttc 540  
 cccanccan ggatgganan gcctgggnat ctcttccan aattgaagtc atcttgcaag 600  
 aaggcaagaa ccaagcagct tcgantccan ggtgtggaat gggggcctn 649

<210> 315  
 <211> 238  
 <212> DNA  
 <213> Homo sapiens

<400> 315  
 acctgcaggt ggtggcagcg ggtagccggg actcggggcg cgcgctctac gtcttctccg 60  
 agttcaaccg gtatctcttc aactgtggag aaggcgttca gagactcatg caggagcaca 120  
 agttaaaggt tgctcgcttg gacaacatat tcttgacacg aatgcactgg tctaattgtg 180  
 ggggcttaag tggaatgatt cttactttaa aggaaccggg gcttccaaag tgtgtacc 238

<210> 316

<211> 637  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(637)  
 <223> n = A,T,C or G

<400> 316

|             |             |             |            |            |             |     |
|-------------|-------------|-------------|------------|------------|-------------|-----|
| ggtactgtgt  | ttacatgggtg | agtgggtcgtt | accatccaac | agcacaaggc | acaaaaaatg  | 60  |
| ggcatcaagc  | aaaccatgca  | taacgaggcc  | tggaaccat  | caagaacagc | cacaaaagag  | 120 |
| gtcactcaga  | cctctgattc  | aaacttctgg  | tgtttgagt  | acaagcatgc | acgttttaggc | 180 |
| tctgccc aaa | tatcagggag  | gatttccaat  | ctccacaaga | gactgggttc | acatatggcc  | 240 |
| tttctcctgg  | ctgtcaaacc  | accaggggtc  | ctccaaaaca | aaatgagagc | agctgttttg  | 300 |
| ctgatcaacc  | aatcacacta  | gcagttctat  | ttcagtttaa | aacaaccttg | caggaataaa  | 360 |
| ccacataaag  | actccgtggc  | taagggtctg  | tattacttac | acctaccaag | cgaacacaaa  | 420 |
| cgggtggctc  | ttctatggta  | acgcttcact  | ggcatgcaaa | ccccaaaggc | cactgaatgg  | 480 |
| aatgaatcca  | catgaacagc  | atacctggag  | caggaacatg | ccttcacaag | aagtgtcagg  | 540 |
| agactaacct  | gtggttgcta  | acattnttgt  | gangaaaanc | agggtagcag | aagggtgggt  | 600 |
| tgaagnttgg  | cctaatatnc  | ttaccatata  | tataaac    |            |             | 637 |

<210> 317  
 <211> 505  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(505)  
 <223> n = A,T,C or G

<400> 317

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| ggtacattgg | ccagactcat | gcacaccaca | tctgttgaca  | tctccttcgg | ttctgtgtac | 60  |
| tcattcagct | gtcctgaagg | atccatctcg | aaatagacca  | gctctcctcc | tgtcagggca | 120 |
| atcaccactt | gtcgtgggtt | cactgcacac | ttcacaaattg | ttttctttcc | aggggtcttc | 180 |
| cactcattga | ctctcttgtc | tgctcgtatg | tgccgaatgc  | catctggata | gacctgcacc | 240 |
| aaggcatcat | ctcctaataa | ggagcaggac | aagggtcggg  | tggtccccag | gaacccagag | 300 |
| tcagtcactt | cttctacagt | ttctccaatg | gacaacacta  | gggtggcatt | cacgaaagac | 360 |
| acaatgatgt | aggcatcaaa | ctcatcttca | atgtgtcgac  | gcactgtcca | nacagcgttg | 420 |
| gggttaccag | gtanctcana | aacagccatt | tctgacacct  | naagtccatg | gtttaaggac | 480 |
| ttttaaanat | gatcngggnc | ccctn      |             |            |            | 505 |

<210> 318  
 <211> 645  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(645)  
 <223> n = A,T,C or G

```

<400> 318
gcgtgtcgcg gccgagggtac atacaaactg gggttctgtc aatgacaaca aggactatgt      60
gttggttcat atcaaatcca agaataattag acaaccaaac atataacctt cttgtgggtt      120
ctcttaatat gcagcattca ttatggtagt taggtccctt cactgggttt ctgcaagtct      180
gaagttgtgt ttcttgtgtc gttgcccgca tctccaccct cagagctgct ttgttttcc      240
tcttctttgc agtctttgtc atcttcatct cctggagatt tccgggactg tttagaggat      300
ttctttgaag tatatgactt tttccgtttt gagcctgctt tttcattctt tcttttgctt      360
tttccatctt cttctactct atcaccttct tctcactgct ttgcatctgc agtatttcca      420
ccttctcctc agttttctgaa ganctctggt gctgaattgc ctggtaccag taaactttac      480
tnctgggtat ttcttatttc cacaatcctt cgttaaacc tttccgttgg ttgacttttc      540
aaactggcnt tggacctggc ccggccggcc gtcgaaaggc gaattccacc attggcggcc      600
gtactaatgg atcnacttgg nccacactgg cgtaatatgg catan                      645

```

```

<210> 319
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<400> 319
acttttccat aaagttcttag tcacttctgt tggcctgagc caccagatta tgatgttgcc      60
agaattcact caatttgaat aaagatgaac agtatttggt ttcttggttc catgaattat      120
atcagtattc taaaacatcg ctccagaaag agaactgttt atttctgcag gcttctgtc      180
cttttgtggt atggtttttt ggccttattt tcactggctt ttccttctcc aaactttgag      240
gcgtgatttc attcattgaa gaatcaatac atattttggt tcaaaatggt tgaaacaaaa      300
gacatagatg gtagactttt attaaaacat atatggatgt ggaaagcaca tatattaatg      360
cagtcacccc ttttcagggtg ggaagagagc aaaccagttg attttttaat tcatccttag      420
tacc                                           424

```

```

<210> 320
<211> 472
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (472)
<223> n = A,T,C or G

```

```

<400> 320
acgaagtcgg gcaacaagaa agcgaggagc agcgtgtatg cccttatcct cagcaagtga      60
gaacaaggca gatcacagca ccgacacaga agatggcctt ctcccatgtg ccagcggaga      120
atccccctcc agccaaatcc tcaggaagca gagcaccaca caagcagcat ttcttggttt      180
ctcatggtca tattcaaaaag cgacttttaa atcagaaaat agaaaaagca tttgtggtag      240
gtctttttca aacccagaac acaagttggc taggaaaacg gaaagcttcc tctggcatcc      300
ctgtttggaac tctctctcct cttggaggag tttcctgaac cgcacacaca tcgcttcttc      360
accaagagag atgctcaact aggatctttt ttagtgtgcc agttacaaga cacatttaca      420
ggctatgttt ctaagacctc ttagtggcca acgangaagg aggttacctt cg                      472

```

```

<210> 321
<211> 588
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (1)...(588)  
 <223> n = A,T,C or G

<400> 321  
 acctacctca caggtttgtt gtgaagacta aatgaagata atgcaataaa cggctgagac 60  
 ccatgccaaag cacatggtaa aagtgtgtaa ttgcgtatta gcagcagcag ccagagcaat 120  
 agccaagggt caattaactc ccagtccagt gttcagttca tgattgtcca tgcattaaga 180  
 gccaaagcac ccccaaagcc atctcacctc gctgaagcag tctaaagtgc tcaactaagt 240  
 tgggtgcatta atctctagac cagaggtcag cagacgtttt ctgtaaaggg ccagacagca 300  
 aacatttttag gtctctgttg caactactca gctttgccct tgtgaatgaa agcagcaaga 360  
 caatatgtaa atgaatgggc cgtggcagat ttcattccaca ggggttccct gctttagact 420  
 gtgccgagag ccatangtct tgagttnaag tccaacctta ccacacttgc aanggggtgg 480  
 ctttgaccaa gtcnnggaag gnntnccaaa agtcaaggcc cttaanccct taaaaaatgg 540  
 ggaataataa tgccttcctt caagagctgg tnaaacaatg gaagctgg 588

<210> 322  
 <211> 589  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(589)  
 <223> n = A,T,C or G

<400> 322  
 acagctaatt gaaagtatat aaaaatgtga attagtgtgg ttgcagctaa aagtatgagt 60  
 gatgtaacaa gaatgacgac gtaatgagtc aagtgggtgag actagttcta taagcaccgt 120  
 aaggagtgcc agtcctaata catgaacttc atccatccct tgtatatcaa ggaggagact 180  
 gtgggtcagag aatgtatttt gtaagctata gtttaaaaat attactcttc agaaatttgg 240  
 agcccaagca ggaattacag agattcctcc caacagaggc cctgagatct cccctgactg 300  
 ccaccctaaag gatccacact tgcctctgat caaccagatt caggccaagg cttanaagag 360  
 ggaggaggca gtggccagaa gccagggact cttagaggaga gaaatgatgg cagatgtggg 420  
 gttcagaaaa aacacaagac gggaaagggg aagaagggga aaaaaaggaa gaaccaccac 480  
 tgggtgangaa attgttnaan aaggccacnt ttgcttggang agtggccctt gnetttttca 540  
 ccttgctgtg gggcaaaangc tggcaagtaa agacaagggc ttaaccctn 589

<210> 323  
 <211> 582  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(582)  
 <223> n = A,T,C or G

<400> 323  
 actgcttatg taaatcgttt atttttatct catcaaagcc tggcaagtat atgcattcca 60  
 atttaccatt ggcaaagctt tattttatct taagggttga tgttgaatta attttgtggg 120  
 aaaatgagat ttgtaagtag ttttctttct agataagata acataaacca agctttcaga 180

|            |            |             |             |            |            |     |
|------------|------------|-------------|-------------|------------|------------|-----|
| agttaaggat | gatgaataat | attgaaatga  | cttggtatat  | attgtaaggg | ttcccttaag | 240 |
| tatcataatt | aacaatttgt | ggaaattgaa  | aaagcataaa  | ctgtgttatt | tgattaagta | 300 |
| atatgttccc | ttaaaattca | ttttgagggtg | tatgtttatac | acacagttaa | ttttgttca  | 360 |
| ggaatgactt | gctcattctg | tgttttttaa  | aataggaaat  | aaggcatagt | gagtcacat  | 420 |
| tacatcaatt | aaccnaaaaa | atatttcatn  | ccctccgtca  | ctggaaatta | tctacttcag | 480 |
| ncacctttct | taatcctcgt | gttagggagg  | ccccgtttat  | gggcctttt  | taatttccat | 540 |
| gngccatatt | gtccactacc | cggcagtagc  | ccaaagctan  | ct         |            | 582 |

&lt;210&gt; 324

&lt;211&gt; 180

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 324

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| acccgtcggc | ggcaccacc  | aacaaccgcg | ggatcttctg | aattgtggct | agcgagcaga | 60  |
| tggttttgtg | gccgcagaat | ggcaggcgga | ccgtggcgaa | ggctctgccc | tggttgaaca | 120 |
| tttctgtcac | ttgggaaggc | aggtagctgg | tggaggccat | gagcacttcc | ccgaagtacc | 180 |

&lt;210&gt; 325

&lt;211&gt; 575

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(575)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 325

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| ggtacaaata | ctgggaaaaa | cctgctcttc | tgcgttaagt | gggagacaat | gtcacaagtc  | 60  |
| aaaagctctt | attcctatga | tgccccctcg | gatttcatca | atttttcac  | cttggatgat  | 120 |
| gaaggagata | ctcaaaacat | agattcatgg | tttgaggaga | aggccaattt | ggagaataag  | 180 |
| ttactgggga | agaatggaac | tggagggtt  | tttcagggca | aaactccttt | gagaaaggct  | 240 |
| aatcttcagc | aagctattgt | cacacctttg | aaaccagttg | acaacactta | ctacaaagag  | 300 |
| gcagaaaaag | aaaatcttgt | ggaacaatcc | attccatcaa | atgcttggtc | ttccctggaa  | 360 |
| gttgaggcag | ccatatcaag | aaaaactcca | gcccagcctc | agagaagatc | tcttaggctt  | 420 |
| tctgctcaga | aggatttggg | acagaaagaa | aagcatcatg | taaaaatgaa | agcccanaga  | 480 |
| tgtgccactc | ctgtaatcat | cgatgaaatt | ctaccctcta | agaaaatgaa | agttttctaac | 540 |
| acnaaaagaa | ccngangaag | aagcatgctc | atcaa      |            |             | 575 |

&lt;210&gt; 326

&lt;211&gt; 584

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(584)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 326

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| accagcaatc | ttagttacaa | aataatactt | ttcagtagtc | tttcttgatg | cacattttaa | 60  |
| aaccagcaca | actcctctag | tgaaatggtc | aatttccctt | aaaaaacaac | atctgaaatt | 120 |



|             |            |             |            |            |            |     |
|-------------|------------|-------------|------------|------------|------------|-----|
| ataagacctg  | acaaatcata | ttatatattca | atattagact | gctgtggctc | tagaacaaca | 180 |
| gaaaagcgta  | actttcaaac | agcttaggga  | aaaagcactg | aaatgtagat | gtcgtcaatc | 240 |
| agcctcaggc  | attattgata | ctgtgccatc  | cacacaccct | taagggtttt | cacagcactc | 300 |
| tgacgggtatt | atgtgtgttt | tgcaaatgac  | gaatcaacag | tatgctgaat | aatcagcaat | 360 |
| gaaacacagg  | agataaatta | aatgtgtttt  | tccaaatgtc | agaatatcga | ggttcccagg | 420 |
| agttggcaaa  | acttctcaag | gtgggccatt  | cagactcang | ctgtgcnagg | ataaggcttc | 480 |
| cttaccgtan  | gtgaaccggt | tgagaatatt  | ggttccncac | acccnagaag | ccatttaggc | 540 |
| atatactggg  | caaaaaagaa | acctgaatnn  | aatgggacca | atnt       |            | 584 |

&lt;210&gt; 327

&lt;211&gt; 573

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 327

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| ggtagctctc | tgaagcacac | agaagtagcg | ccaggcagag | ggtttgaagg | atatgtattc  | 60  |
| atcaagaagt | aaacgcaa   | ccaagatctc | aaccacactt | ggctcttaaa | gatccaccaa  | 120 |
| cttaaccctt | atggcatgca | tatgtgactt | ctgcaagaag | caacttgaaa | acccaagaat  | 180 |
| gccttgcctc | accacgtccc | gcgactgcaa | actcccttcc | tctgaaacaa | gcagccacag  | 240 |
| ctttataaga | aacatgccgg | catgtagtcc | atcctgggag | gggagaaatc | ttcaccactg  | 300 |
| gctgcctttc | agcaagttcc | ccttgaaatc | tgccggcagt | ggaacagatc | ccagatccca  | 360 |
| acgctgtagc | ttgggcgtcc | tcccaccagg | ggttccttgt | tctgaaagct | gccaccagtg  | 420 |
| ttgttccgaa | agatgcctct | gcctttgtgg | ggatcatctc | cattatgcct | cctaacaggga | 480 |
| aacaggcttc | tatggaagag | aagagtccca | gccccctgac | ctttccgctt | tggtcttgga  | 540 |
| ggatctgagt | cacatctgcc | atgttgccca | aag        |            |             | 573 |

&lt;210&gt; 328

&lt;211&gt; 422

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(422)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 328

|            |            |            |            |             |             |     |
|------------|------------|------------|------------|-------------|-------------|-----|
| ggtagctctc | tgaagcgctg | gaagaagaac | tggtttgatc | tgtgggtcga  | tggtcacctg  | 60  |
| atctattatg | atgaccagac | tcggcagaat | atcaaggata | agggtccacat | gccaatggac  | 120 |
| tgcatcaaca | tccgcacggg | gcaggaatgt | cgggatactc | agcccccgga  | tggaaagtca  | 180 |
| aaagactgca | tgctccagat | tgtttgtcga | gatgggaaaa | caattagtct  | ttgtgcagaa  | 240 |
| agcacagatg | attgcttggc | ctggaaatct | acactccaag | attctaggac  | aaacacagcg  | 300 |
| tatgtgggct | ctgcagtcac | gaccgatgag | acatccgtgg | tttcctcacc  | tccaccatac  | 360 |
| acggncatg  | ctgcaccggc | ccctgagcag | gcttatggct | atggggccata | cggtgggtgcc | 420 |
| gt         |            |            |            |             |             | 422 |

&lt;210&gt; 329

&lt;211&gt; 467

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

<222> (1)...(467)  
 <223> n = A,T,C or G

<400> 329  
 ggtaccacta tccccacttt acagatgagg aaaaaacagg ctcaagagtg aagtcctctg 60  
 cttgcttagt atctcaaaagc taagctgcaa gcaaagatgg ggctccaagg tctgtgtgac 120  
 ctgagctctt ggttatccaa tacttcaaaa ctgtcactta ggaaagaaga gaacattttt 180  
 agaaatagga gaaaacccaa cagccacagt gattgtcaaa gagctgaggg ggcacacagc 240  
 cagggttcggg ggcaccagac cagggttcagg gccactgctg aactgccaat gccctgcccc 300  
 gccccaggag acacgcagac tccactgccc tagacgagtg gccctgctgt taataaataa 360  
 ataaaggtca ggcacaatcc tacacaaagg ccccgagaatt caaaccactg tcttgnttct 420  
 cagactttttg cttaagagcc nagtacctgc ccggggccggn cgctcga 467

<210> 330  
 <211> 595  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(595)  
 <223> n = A,T,C or G

<400> 330  
 tcgagcggcc cccgggcagg tacatggcgg ccgtcctgga atacctgaca gcggagattc 60  
 tggagctggc tggcaatgca gcgagagaca acaagaaggg acgggtcaca ccccggcaca 120  
 tcctgctggc tgtggccaat gatgaagagc tgaatcagct gctaaaagga gtcaccatag 180  
 ccagtggggg tgtgttacc cccatccacc ccgagttgct agcgaagaag cggggatcca 240  
 aaggaaagt ggaagccatc atcacaccac cccagcccaa aaaggccaag tctccatccc 300  
 agaagaagcc tgtatctaaa aaagcaggag gcaagaaagg ggcccggaaa tccaagaaga 360  
 ggcaggggtga agtcagtaag gcagccagcg ccgacagcac aaccgagggc acacctgccg 420  
 acggcttcac agtcctnttc accaagagcc tcttntctgg ccagaagctg aaccttatta 480  
 cagggaaatc attaatagc cggctttgaa ggtggaggcc taaatcatcc taccaatgct 540  
 gcattgacct taaagatgac ctaggaaacac gctggagaaa aaangtggnn aggat 595

<210> 331  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(421)  
 <223> n = A,T,C or G

<400> 331  
 acccaaaaac ccccccaac gcccccaac cctcaggcgt gcctgtgagt gtgtctgtgt 60  
 gtctcactct gactcaccac gacaactgac ttcagcagcc aaccttggtc attcccagaa 120  
 ccaccactgg ggggcatacg tgtggctaga ctggggggcg ccgaatatct gtctctacaa 180  
 aaaaaaaaaa aaaaattaat ggggtgtggt ggtggtgctg gcctgtggtg tcagctgctt 240  
 ggggcgctgg ggcaggagga tcacttgagc ccgagaattc aaggctacag tgagttaaga 300  
 ttacgccact gcactccatc ctgggtgaca gagcaagacc ttgtctcaag aaaaaatttt 360  
 taaatgagaa aaaaaaann aaanaaaaaa aaaaaagctt gtacctcggc cngaccacg 420

c

421

<210> 332  
 <211> 616  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(616)  
 <223> n = A,T,C or G

<400> 332  
 cgaggtacca ggctacatat ctcggtcagat agctggatcc tttgataatg aaggcattgc 60  
 tattttttgca cttcagttca cataactatct atgggtaaaa tctgtaaaaa ctgggtcagt 120  
 tttttggaca atgtgctgct gcttataccta tttctatatg gtctctgctt ggggtgggta 180  
 tgtattttatc atcaatctta ttccactgca tgtattttgtg ttgttactga tgcagagata 240  
 cagcaaaaaga gtctacatag catatagcac tttctacatt gtgggttttaa tattatcaat 300  
 gcagatacct tttgtgggat tccagccaat cagaacaagt gaacacatgg cagcttgcag 360  
 gtgcttttgca ttgctgcaag cttaancttt cttgcagtat ctgagaaccg attaccaaac 420  
 caagagttcc agaccctttc nttttggggg atactacttc agngctgggt cctanggcac 480  
 tattgntatc nggtacattg cccctggatg gcngttantic ntgggaaccg ggatncaaaa 540  
 cccntccata tgctanggn gncctaacct acaatngggg cttttttgac aaaaanntgg 600  
 atnctcccg gccnn 616

<210> 333  
 <211> 650  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(650)  
 <223> n = A,T,C or G

<400> 333  
 ggtgggagag ctaagtctgc attattttttt ggaatcatta attaatattgc aatcacagag 60  
 tcttcaggaa aaaggcaagt tatcagctga agaaaatccc gatgactctg aagttccatc 120  
 atcatcagga attaaactcta ccaaatcccc agacaaagat gtcaatgaag gagaaacatc 180  
 agatggagtg aggaagtcag ttcacaagggt ctttgcttcc atgcttggag agaatagaaga 240  
 tgatgaggag gaagagggaag aagaggaggga ggaggaggag gaggaagaaa cacctgagca 300  
 acccactgag ggcgatgtat ttgtattgga gatggttctc aatcgtgaaa ccaagaaaat 360  
 gatgaaagag aaaaggcctc ggagtaaact tcccagagct ctgagaggtn tnatgggtna 420  
 ancctcnntt cgttttgnnt gaagagaacg tggngaggcn aatnttgngt gcctgggaat 480  
 nataaaaaa gctcttttgg cttatggcca tcttacttta ncctgatttt agggccnagg 540  
 ngcctngaaa atcntgccnt tgagtgatgc tggccttnaa tcccngggcc cnaaaaaggg 600  
 ttnactggcn aatttttggg nagcctttta ancggttttt ttgnttcaan 650

<210> 334  
 <211> 734  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(734)  
 <223> n = A,T,C or G

<400> 334  
 tgntatctga gaattcgccct ttcgagcggc gccgggcagg tacagattaa cttaacacaa 60  
 aaacccgaac ttcaaaatga aggtgtgtgg aggaaagggtg ctgctgggtc tccctacaac 120  
 tgttcatttc tttgtggggc agggggtagt tcctgaatgg ctgtgggtcca atgactaatg 180  
 taaaacaaaa acagaaacaa aaaaaacaag gaactgtcat ttccacgaaa gcacagcggc 240  
 agtgattcta gcaggcctca gggccctggg cctggggagg ctacatgagg gggagcctca 300  
 gtcacaggat caacctgggg cccgaaggag cagggttccc tgcctctccc tctgcaacag 360  
 atcatcccat ccaacacaac ccccaaaatg ttgatgatga cgcaacatgg tcaaccctna 420  
 agacctttta gaccaaacag agcagcatag gaaaaaaaaa accaaacgca ccaatttctg 480  
 catgtgtcaa tggtagggca ccattttnaa aaagtgtggc ttaaacaagc tggctttact 540  
 tgganggacc taatnccaag ctttaattcct ttgggtaangg aaaaaaccct tgaacccenn 600  
 tctnagctta aantcttaag gttaagtccn aaccanttaa aacnttctgg gttnccectt 660  
 tccaagnttn aagccccctt tccctnaac ctggggattg ggggnaattn accnggncnt 720  
 ttaaatttcc gngg 734

<210> 335  
 <211> 492  
 <212> DNA  
 <213> Homo sapiens

<400> 335  
 acatccttca ccaccatgga atatttttagt ctatgtagtc aaagtcttct ggaattccaa 60  
 aagttctatc aattttatct tcttcaaacc caaattttct tttggcccaa gattttattg 120  
 cgaatatgtt atgtatttct tccacaactt gccgatcaca gtctttgtat ttttctactt 180  
 ctgccttttag ctgttccctt tggctctcgaa gtgaagaaag ctcttttgct agcctggctt 240  
 gctcttcogt ttcacatcgg ccaatttttag ctttctcaat gcttttctgt aggcttgcat 300  
 gcttttgact tccctcagac aactgagatt ccagaacctc caacttatgt ttccttgcat 360  
 gaagagcttt acttggaata gccaataat aattagaagt tccgatcctc tcacagtcaa 420  
 ccataccatc atcaactaag ctttgaaggga cttcttttac tgacatagca gtaatgcctt 480  
 tctctttggg gg 492

<210> 336  
 <211> 732  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(732)  
 <223> n = A,T,C or G

<400> 336  
 ggtacatata aatgaatctg gtgttgggga aaccttcac tgaaaccac agatgtctct 60  
 ggggcagatc cccactgtcc taccagttgc cctagcccag actctgagct gctcaccgga 120  
 gtcattggga aggaaaagtg gagaaatggc aagtctagag tctcagaaac tcccctgggg 180  
 gtttcacctg ggccctggag gaattcagct cagcttcttc ctagggtcaa gccccccaca 240  
 ccttttcccc aaccacagag aacaagagtt tgttctgttc tgggggacag agaaggcgct 300  
 tccaacttca tactggcagg aggggtgagga ggttcactga gcttcccaga tctccactgc 360

|            |            |            |            |             |             |     |
|------------|------------|------------|------------|-------------|-------------|-----|
| ggggagacag | aagcctggac | ttttgccc   | cctgtggccc | tggagggtcc  | cggttggtca  | 420 |
| attcttggtg | ctcttgnggt | tccagaagca | agccggaagt | ttgaaagaaa  | gggaaccttg  | 480 |
| ggaatnaagg | ggtgcttggt | tattaanccn | naaaagggat | tgggggttcct | gnttccaang  | 540 |
| ggancctttt | ggcctttctt | tttggncctt | tncttaaggc | cccaggccct  | nggggtttgg  | 600 |
| accttngccc | cggngggccc | aaggggccna | aattcccacc | ncanttgggg  | ggcccgggtac | 660 |
| ttaangggga | atcccaactt | tgggncccca | aactttnggg | gnaaancntn  | gggccaaaaac | 720 |
| tggtttcctn | gg         |            |            |             |             | 732 |

<210> 337  
 <211> 642  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(642)  
 <223> n = A,T,C or G

|             |             |            |             |             |             |     |
|-------------|-------------|------------|-------------|-------------|-------------|-----|
| ggtacaacag  | tagaagaagc  | aacaacaata | gtaaagccac  | aggaaattat  | gttggacaat  | 60  |
| atagaagacc  | cttctcagga  | ggatctttgc | agtgttggtc  | aatctggaga  | aagtgaggag  | 120 |
| gaagagggaac | aagataccct  | tgaactggag | ctagttttgg  | aaaggaaaaa  | agcagagttg  | 180 |
| cgagccttgg  | aggaaggaga  | tggtagtgtg | tcagggttcta | gtccacgttc  | tgatatcagc  | 240 |
| cagccagcat  | ctcaagatgg  | aatgcgtagg | cttatgtcta  | aaaggaggaaa | atggaagatg  | 300 |
| tttggttcgag | ctaccagtc   | agaatctacc | agttaggagtt | ctagtaaaac  | tggaacgaaga | 360 |
| tctccagaaa  | atggagaaaac | tgcaattggt | gctgaaaaat  | tcagaaaaaa  | tagatgagaa  | 420 |
| tccagataag  | agatggaagt  | agaagaatct | tcagagaaat  | ttaaagtcctg | ccngggccgnc | 480 |
| gttcnaangg  | cnaattncac  | acctggcgcc | cgtctagtgg  | attccacttg  | gtcccaactt  | 540 |
| gcgnatctgg  | gatactggtt  | cttggnga   | tgtnctcggt  | acaatcncnc  | acttcaancc  | 600 |
| ggagcttaan  | gtaaacttgg  | ggcntannag | tgctnactcc  | tt          |             | 642 |

<210> 338  
 <211> 723  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(723)  
 <223> n = A,T,C or G

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| acataaacac | acgcatatca | caagtctagt  | caagaaagaa | atacatagaa | aaacaagata | 60  |
| gaatttttaa | aataatttgc | aagggaagtt  | ctcaatgctt | cagttctaaa | atattgtctt | 120 |
| cttttagaaa | aatttaagac | tggaaataaca | gattgttttt | cctgcaatgc | tgtaattact | 180 |
| gcaaatttat | cagcaaagag | gtaaacagca  | atgcaatttt | tccttaagct | tgaatacata | 240 |
| aggaacaat  | aaagaaacct | gattagacct  | gaactaatta | aaagtcacac | cagtaatttt | 300 |
| caggccagct | ctggtctcca | ggtagaattc  | caggacaggt | ttgnatcact | gggtccattc | 360 |
| ccaacaggct | ggataggaga | gtctggagta  | attataagga | taccaccttc | ttctatcctg | 420 |
| ggctgccgac | tggcattggg | cttcacattc  | ccagaatacc | ttctgngnga | ataggccctt | 480 |
| ttcaggggga | ccnggaagga | aggaaaaagg  | gggctntggg | aaacatnggg | ggattctttg | 540 |
| gnaaaatttc | tggcctggaa | tngtggcnaa  | cctttggggc | ttggggtnn  | ggaaaatgtc | 600 |
| caaggganct | ttaangggnc | ccttngaact  | cggagggnaa | aatttaacct | ctangggccc | 660 |

ttgggttnaa aaagggcttt atttggggga cccgggttnc ccttgnaaaa aatgccncca 720  
ann 723

<210> 339  
<211> 356  
<212> DNA  
<213> Homo sapiens

<400> 339  
acaatagtgt aaaggtgggt tttaaaaaca tagccagggtg tgggtggcacg tgcctttagt 60  
tccagctact caggaggcta aggcaggagg attgcttgag cccaggctgt gtggttcacc 120  
ataattgtgt ttgtgactag ctactgcact ccaacctggg caacatagtg ggacttcac 180  
tctaaaacaa aacaaaacaa aattacactt aagcactatt gtttaatttt taattgtcag 240  
tttatcatta ttttgggtaa gacattctgg ggtttcttga atcttgtcca aaaaccagtt 300  
gttttggaat attgctttaa attgagcata tttatgtata ttggataaaa atgtcc 356

<210> 340  
<211> 502  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(502)  
<223> n = A,T,C or G

<400> 340  
caggtaaat taactgtcac acagtcagat ataattcact ctgatgaggc cagagaaaga 60  
aaacaaggca aagaaagggc tcatcttgct cctttaggta atatccaaat atcccagcac 120  
ggaaaccatc ttttcctcaa aggttatcta cacacgtggc ctgagaagaa aggcagtaag 180  
cctttgggga gttggggaga aggaaggaaa agaaaacagg aggaggaaaa aggaagacct 240  
cttttctgaa ccacaaatgc ctcatgctgc gcactccaag ctgaaataca gtatggtagg 300  
tattctaagg gggaaaaaaa caactacatt tctttcctat tactgattcc tctctgcttc 360  
acagacccag ctcggccaa gggaaaacgg ctgccatgag ttctgcagaa gctgcattgc 420  
ttgccctggc agtctgaagg tgaagcangc ttcanagggt gacagctcaa ggagaattcc 480  
cagaggncnc cnaaaagccc cc 502

<210> 341  
<211> 243  
<212> DNA  
<213> Homo sapiens

<400> 341  
acatcatcac cttcttgggtc aagttttcca tccaacttaa ttttaggatt ctccggacaa 60  
tcaacatttt cactgcttct tgctgcaatt ttctgttttg gattttcagt caccctcgttt 120  
tgggcttcca ctgctgactt tctgtcagta gactttacct gctcttcttc cttaatttca 180  
cttaaatctg tggtctgata cgttaactct tttttaacat ctttaagggt ttctacgggt 240  
acc 243

<210> 342  
<211> 669  
<212> DNA  
<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(669)  
 <223> n = A,T,C or G

```

<400> 342
tgaggtcaag cttttttttt tttttttttt ttttttttca gctttgttgt agttganatt      60
ctgatgttca cctaacaaag tccctgacaa aacagacttc cttcaatcca ggtcataatt      120
tgaaacgtta tacaataatg agattttaagt gatgaatgga aagaaaagaa ggagactgaa      180
aagatatcag aaattttctat tngtttttag attcagaaaa atataattac aggccaacat      240
gggtntgaca gagaggaagg acgtcagcag ttacttgaat gtaacccctt cccagcattt      300
ccaaagacct gcaatgngct cattgngatc caagggcctt gntacctagt ttctaggnga      360
tctacagant tgaacaacc cagcacaact ttattttcttg gagaagatga acccttaact      420
ntgaaggtgc ntaaaggaaa tnttnaactg gtcacttcca tgggtccggg ttcaaagcca      480
caatcnttcc gattaaanta aaacctggga naaaagccaa cggngggcaa ncaaacgggn      540
gggattctac ntttggtaac ccattgaacc ggggggcttcn ttttaaanan gtgntcattg      600
gtttgggttt anaacctaaa nccccctttt tnaaaaaant ggtgnaaatt ttccnctntt      660
aaccgggtt

```

<210> 343  
 <211> 500  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(500)  
 <223> n = A,T,C or G

```

<400> 343
ggtacagggc agtgacatga gctttgacaa acagttcatg ctaggagtag agactgtgtc      60
ccaggactga gggatctgcc taagatcaag ggaaaaatct gaaagactcg tcctaacaaa      120
gtgtaaaaact aaggttttat aagttcaagg gaactgacta ctgattagct gccagtgaaa      180
acaaaaatca acactctcag gtaacagaaa tcagaattgc tacaatgcat caccaacaat      240
gtccagctta caatttttaa ggacgactaa ataggagact cccagtttct agtctggcac      300
ataaggagggt cggcagtcac cacttcattc taacaagtaa aaagctgaac aaactaaaaa      360
atcaacaact cagccgggtg tgggtggctc cgctgtaat cccagcagtt tgggaggttg      420
aggcaggcgg atcatgaggt caggantttg agaccagtct ggcccacatg gnaaaacccc      480
ggtctactta aanataaaa

```

<210> 344  
 <211> 483  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(483)  
 <223> n = A,T,C or G

```

<400> 344
ggtacttcgg ccaaaaacag gagcccattg tgacaggcat ctggcatcac taciaaggac      60

```

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ccctggggct | ccatggcaac | caggcaggca | ctaaggatag | aaggagagtc | tgcggcagag | 120 |
| attccacaca | tccggcacac | atccttgagc | tttttgctga | ttgtctgtag | tgaacattct | 180 |
| ccaaggagga | tactccaatc | tttaagctcc | ccatggccaa | gacgcccag  | tcgcccatt  | 240 |
| acaactctcc | agggtagaga | tgctatttgg | acaatcccta | tgcaccactc | ccataacttc | 300 |
| tgtagtccaa | ttttacgtgc | agatacttta | ctcctccgtg | acctaacaaa | taaagaaatg | 360 |
| gggaaggggg | aggggtccct | agataaatca | gagttattta | tcacttataa | gaccaacact | 420 |
| agaaatttcc | aagaacctat | ccatgctgna | cctgccnggc | ngccgttnaa | aggcgaantc | 480 |
| agc        |            |            |            |            |            | 483 |

<210> 345  
 <211> 667  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(667)  
 <223> n = A,T,C or G

|            |             |            |             |            |            |     |
|------------|-------------|------------|-------------|------------|------------|-----|
| <400> 345  |             |            |             |            |            |     |
| ggtacaggag | agaaggctct  | tatgaccgat | acctacgaat  | ggatgactat | tgcaggagaa | 60  |
| aggatgactc | ttattttgac  | cgttacagag | atagctttga  | tggacggggc | cctccaggcc | 120 |
| cagaaagtca | gtctcgtgca  | aaagagcgtt | tgaaacgtaa  | ggaacggcgt | agagaagagc | 180 |
| tttatcgtca | atattttgag  | gaaatccaga | gacgctttga  | tgccgaaagg | cccgttgatt | 240 |
| gttctgtgat | tgtgggtcaac | aaacagacaa | aagactatgc  | tgagtctgtg | gggcggaagg | 300 |
| tgcgagacct | gggcatggta  | gtggacttga | tcttccttaa  | cacagaagtg | tactgtcac  | 360 |
| aagccttgga | ggatgttagc  | aggggaggtt | ctccttttgc  | tattgncatc | accacaaca  | 420 |
| ccagatcacc | gntcctgcac  | aggtcaacat | catgtttgga  | accccgnaag | aaccttgnaa | 480 |
| catgccccaa | gncnatgcc   | tggtgctggt | ggccanaaat  | ttttagccgt | tccaggaatt | 540 |
| aattcccggg | anaaggaacc  | tnagggnaat | gccnaaccgg  | ccntcaaan  | gccccgaaa  | 600 |
| ccttcttgcg | gaaaaaaaaa  | gggggcctna | ggaggggatcc | ttggggcccc | tttaancntt | 660 |
| caancnn    |             |            |             |            |            | 667 |

<210> 346  
 <211> 754  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(754)  
 <223> n = A,T,C or G

|            |            |             |             |            |            |     |
|------------|------------|-------------|-------------|------------|------------|-----|
| <400> 346  |            |             |             |            |            |     |
| actgaactac | ttcattacca | actcggccca  | gatattgaca  | tgctgatga  | taacaaaaga | 60  |
| attagaaggg | tgcgtctcct | gggtggaagag | ggctgtgaag  | atcgaattct | ggtagcacat | 120 |
| gacatacata | cgaaaacccg | gctgatgaaa  | tatggagggtc | acggctattc | tcatatactc | 180 |
| accaatgttg | ttcctaaaa  | gttgctgaga  | ggcataactg  | agaatgtgct | tgataagatt | 240 |
| ctaatagaga | accctaagca | atggctaact  | ttcaaatagg  | atggttgctt | atgaattcac | 300 |
| accttgagta | taaaacttgc | agagaacatt  | cagcgatttc  | cagtccactg | tgagatatta | 360 |
| atcagttacc | taggactaat | gacagatcat  | ttccttctga  | tgagaactag | gagggggttg | 420 |
| ccttctctga | gaccagcta  | ttacaactgg  | gccctntaag  | ggaggtaact | aagcctaaat | 480 |
| tgagccccta | ataatttnaa | cttaacccaa  | anttaattnc  | cgggaanttc | cttngggccg | 540 |



|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggaaaccacn | ccttaagggg | ccnaaatttc | cagcnccaac | ttggggcggg | ccggttactt | 600 |
| aanggggaat | ncccaaaact | tggggncccc | aaanccttgg | gcggaaaacc | atngggccct | 660 |
| aaacctnggn | tnccccnggg | nggaaaaatn | ggnaattccc | ggtttnanaa | atttccccnn | 720 |
| ccaanntttt | tcnnaacccc | ggnaagccnt | taaa       |            |            | 754 |

&lt;210&gt; 347

&lt;211&gt; 444

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 347

|            |             |             |             |             |             |     |
|------------|-------------|-------------|-------------|-------------|-------------|-----|
| accgtctcga | tcattctgctt | cccttgggct  | gagagctcca  | gggggtgactc | gaaggtgacc  | 60  |
| ctataaggag | tcattgaggtt | cctgagggtc  | tggaaacagct | tctctccatt  | ggggttcccc  | 120 |
| agaatgtagc | agcccatgat  | gtggatgacg  | ttcggtctctg | ggttcacttt  | gtcatcagg   | 180 |
| cggctcagcc | gcttccagaa  | gtgaatcatg  | tcctcttcc   | tctccacttt  | ggcaaagggtg | 240 |
| gccaccttgt | tcttgaggag  | atagaggtgt  | ccaggacctc  | cctggcagaa  | aatcagcatt  | 300 |
| ttccagatct | tggtccctt   | gtggtagacg  | ttcagcttcc  | tctctatctc  | ctcaaggatg  | 360 |
| tcctcgaagg | ttgcgtgctc  | atgggtccgta | gaggatgggg  | atgatggagg  | ggcatcccc   | 420 |
| ggcggatgat | agtggggatg  | tacc        |             |             |             | 444 |

&lt;210&gt; 348

&lt;211&gt; 693

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(693)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 348

|             |            |            |            |             |            |     |
|-------------|------------|------------|------------|-------------|------------|-----|
| ggtacttttaa | gaccctttgc | cttaaagtag | tataccaaca | cagactttat  | agtatgttta | 60  |
| aaaatcccaa  | ctgcaagata | cacaggatgc | tgtaggcctg | atttccctgt  | gtagaacctc | 120 |
| cagccctgtg  | ttgaatgagg | aggtgcaaat | atatagaccc | ttaagatcag  | accacagcag | 180 |
| gcattcaggt  | ggaggggatg | aactccattc | attccagctg | tgcaagtggg  | catctgcgcc | 240 |
| ctccgcattc  | cggctcattc | ctcatctgag | ccactcaaga | gggcggtctg  | gtaagtgtca | 300 |
| tctgaattca  | gcttctgaat | tccaatgatt | tctcccttcc | cgtgtctctt  | catccgagtc | 360 |
| aaaaggcagc  | aaacaagaga | atagttgacg | gccacaatgc | tgaaggcagc  | aggtagtgcc | 420 |
| agcagaaaca  | catggtgatg | aacatgaagg | tggcatcatc | cttctgggcc  | attcnggtgg | 480 |
| tncaaaaagg  | gggaacngga | caaaccncaa | ttttgccnaa | ccangttccn  | tgnaaaatga | 540 |
| ttaaactggg  | tccggaaaaa | gttccagcnc | aatggnggtc | ccggaaaanat | cnccttttng | 600 |
| ggggantctt  | acnccnccct | ttgaaaaggg | ctttccneng | gaatgaannng | aatnncttgg | 660 |
| nccaacggaa  | ggcccgtttg | nggcntngta | atn        |             |            | 693 |

&lt;210&gt; 349

&lt;211&gt; 299

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 349

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| cgaggtagat | tctctaaaaa | ttgttactga | ctggtaagaa | atagacctga | gtttttattt | 60  |
| ctaaccacca | atcactaaac | cacggcagca | agcactggcc | accgatttaa | tggattacga | 120 |
| cacaggaaac | cccatcaggg | ttctatgtaa | tttagtgata | ctcatgtcac | taatattgag | 180 |

```

cattatactt gatctgcatt atattgttga tatgcagagg ctaaactagt catcatttgc      240
tctttcatct atcagtagag tccaaagtgt tttgcttgaa tggactacat gttaaagg      299

```

```

<210> 350
<211> 622
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(622)
<223> n = A,T,C or G

```

```

<400> 350
actgtttacc agatctttgc agatgaggtg cttggttcan gccagttngg catcgtttat      60
ggaggaaaac atannaagac tgggagggat gtggctatta aagtaattga taagatgaga      120
ttccccacaa aacangaaag tcaactccnt aatgaagtgg ctatnttaca gaatntgcac      180
catcctggga ttgtaaacct ggaatgtatg tttgaaaccc canaacgagt ctttgtagta      240
atggaaaagc tgcattggaga tatgttgga atgattctat ccnnngagaa aantctggct      300
tccagaacga attactnaat ncatgntcac acagatactt tgangccttt gaggaatctg      360
cattttaaga aatattgggt cncgtgnatt taatancnna aaaagggtg cttgcatcaa      420
tagaanccat tnccttaggtt aagctngtat nactntgnat tgcacccctc atttgengaa      480
atgtccttcn ngnaactnt ggtacggaac tctccatnc ttatcccn gn aagttntccn      540
gagccanagg gtncnacnt atcctatana nnagntcnnt cnggacntna tcnnctttng      600
ggnnccntag tggccctttn cc                                          622

```

```

<210> 351
<211> 574
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(574)
<223> n = A,T,C or G

```

```

<400> 351
gctttaacaa tagcagcaga caaagggtcac tacaaaat ttt gtgaactcct gattcatagg      60
ggagcccaca ttgatgttcg taacaaaaaag ggaaatacgc cactttggct ggcattccaat      120
ggagggtcatt ttgatgttgt gcagttgcta gtgcaagcag gtgctgatgt ggatgcagca      180
gataaccgga aaatcacacc tcttatgtca gcatttcgca aggggtcatgt aaaagttgtt      240
caatatttgg taaaggaagt aaatcagttc ccttctgata tagaatgcat gagatacata      300
gcaacaatta cagataagga actgntgaaa aaatgtcatc aatgtgtcga aaccatttgtg      360
aangctaaaa gaccacaagc tgcaaaaagca aataaaatgc cagtncttt taaggaaactt      420
gatctggaaa agtcaganaa agacngaaac agcttttgtgt aaagagaaaa gaangaaaga      480
gnaagaatag agaccgaagg actgagaata naacactagg atcgactcca gtaataagga      540
ttaattgnaa ntctaacttt nccctcatga ttgn                                          574

```

```

<210> 352
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 352
ggtacataat attccagtag gaaactgctt ccaagtttaa gcatgagctc cccaaactgg      60
agaaaacata ttttgctatt ctgagacaac aatcagaata cagactttgg attccaggctc      120
acagtttgct ttttagacaa ggtaaagcaa agaaagccac attgtgccat cttcagctcc      180
agtggcttta gcagtgactg tttgacataa aacatgtaag aattgcttgt tgggaagagt      240
gcttttaggga cccactgttt tcatttcttc ttggagttta ccttgtttca gatgcagcca      300
tgggtagggtc agagatggac tggttggtgca ataaacccaa gaatcaatgt agcctcttaa      360
tcccatcaag atgtagtttg tagcagcaaa agtgtacct                               399

```

```

<210> 353
<211> 727
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(727)
<223> n = A,T,C or G

```

```

<400> 353
ggtactttta cccattttcca gttccacctt tactttatca agtggaaactt tctgtgggag      60
gacagcaatt taatggcaaa ggaaagacaa gacaggctgc gaaacacgat gctgctgccca      120
aagcgttgag gatcctgcag aatgagcccc tgccagagag gctggagggtg aatggaagag      180
aatccgaaga agaaaatctc aataaatctg aaataagtca agtgtttgag attgcactta      240
aacggaactt gcctgtgaat ttcgagggtgg cccggggagag tggcccaccc cacatgaaga      300
actttgtgac caagggtttcg gttggggagt ttgtggggga aggtgaaggga aaaagcaaga      360
agatttcaaa gaaaaatgcc cgccatagct gntcctgagg agctgaagaa agtaccgncc      420
ctggccttgn ttggaccgaa gttaaggcct anaatccaaa tgaaanaccn aaanccccctt      480
ggtncaanag cncagacccc anggccccat aatttttttg ccncnggggg attcaaatnn      540
ccnttttaan ccncgacttg ggncncncaa attcncgcn ggggccnaaa naaaggggta      600
naaaggggan ccccaanagt tacccttgnc ccngggcnng ggnccgtttt tnaaaanggg      660
gtcnaaantt cccatntcnc attggggggg gcccgttttc ttagggggaa tcccgagctt      720
tgggggnc                               727

```

```

<210> 354
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

```

```

<400> 354
ggtaccatag gtcattttctg gccgatagtc tgaatttaca gccattgct ggtgaaagtt      60
tagtaatttt aaattgtttc tgtgagccca tgtaacactg acaaaattct ccatttcctt      120
ttccttcac ccatttctaat acaaagtttt ggattttaga accattgtca ctagggtgctt      180
tccattgcaa agtgagtga tttttggtcc gattggctat ccttggtgga ttaggtatat      240
caggttcaca gtcgaagggt gtaaaagatt cagcctctga aggagttccc tttatagaat      300
tatattctgc ctggactttt gcatggtaat catggctgg cttgagatca tttaaagtga      360
tatttgnttc ttctctacat atacactttt ggatttccca tcttttccag t                               411

```

<210> 355  
 <211> 331  
 <212> DNA  
 <213> Homo sapiens

<400> 355  
 ggtacttttc tctatctgat tcagccattt ctgccagagg gaaaagggtcg gcagaaaaga 60  
 tgtattgagt gaatagttaa ggataggatc tttgtccaaa aatttcagaa agattgagca 120  
 aatctgacgt attcattgag tgagtttctg tgttttcaaa ggtggaggag aaatttgtgc 180  
 tggaagtttt taagcctccg ttttcttgga aatcagtcctg taacactggc aagtcttaag 240  
 atagtcccgt ttagactttg cagatgctga acctggctct gtaacgctgg gaagtcctaa 300  
 gatagtcctg ttttagacttt gcaaaccctg t 331

<210> 356  
 <211> 678  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(678)  
 <223> n = A,T,C or G

<400> 356  
 ggtacttttt aattcagcac cttttcaaaa tatgtgctgg gatggattct tcttagggaa 60  
 agccccatat agaattctca ttttggagca tcatttttat atgctatctc cccagtgtat 120  
 cttctcaata tttataacac tttatgaaat aaatattggg ttgcctgtaa gaagagaaaa 180  
 atatagctct ttctgagaaa gagcatttgg cttgcagttt acagcaagag ctgaaattag 240  
 agaccatagg gatttccaag accaatttga ccagaaatac aaaaattctg atgtcaaaaa 300  
 ccctctcaca aaattttaaca ggtagaaaatt attttagcag tatagcctga aatccagtgc 360  
 aacaaaaatg natcccaatt ctatgatatg ncataagtat gntctcttan ctggcttnc 420  
 ttacttggtc ctactcccta cttggacctt tngggaagaa aatggctcggc ccaancccat 480  
 ctttcaaatt ttcnaattcc ttaatatgga acccttagcc atggaataac caggggcntt 540  
 aaagttcccc ccattttaat aatgnccctt aatntggnaa anggcttgaa ancctggnc 600  
 aaagggtctg ggtcttttaa gccctttgaa gggttaacct caaaaggggg aaaaaacct 660  
 ttttttttta agttgggg 678

<210> 357  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(414)  
 <223> n = A,T,C or G

<400> 357  
 acaccgagaa ccataatgaa aaaaccttcc gtgtgttttg tcatgttttg ttccagggaa 60  
 gcagttgatg agtgctgtta ctaatgcttt ctcccagatc cattcagtgg tggagaggag 120  
 gaaaatgggc tggttggatg tggcttgggt gccttgagc tactctgcac tggttatgca 180  
 ttttaattctc ctcttttcta gttaaccttt tgccagtggg ttttccatag tctgggtatt 240  
 tgtccttata tcagttatata cacctaaggc aactgggtgc aaaatgcatt ctgttcactc 300

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| actgtctggg | ccttccccac | cctagtcttg | gcacattcct | tcaagaatgt | agttaccgtc | 360 |
| tgcttgggaa | gatgtcagtg | caaagtgtga | gataatgggc | atcggnaaac | ccct       | 414 |

<210> 358  
 <211> 633  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(633)  
 <223> n = A,T,C or G

|             |             |             |            |            |            |     |
|-------------|-------------|-------------|------------|------------|------------|-----|
| <400> 358   |             |             |            |            |            |     |
| cgagggtact  | tcaaagaaag  | tcaaataccta | agcctgcccc | ggcccaaaga | caaagccagc | 60  |
| caggacctga  | ccacctgtat  | cctcttggtg  | gcaatctgct | gaagccagat | gagttctgct | 120 |
| ttttaattcc  | aatcctattc  | tgccactgaa  | actaggcctg | ggcaaccact | cttaatcatt | 180 |
| aacatatcaa  | aaggagtatc  | tcctctgaga  | aaagagcttt | tctcaggttc | tagaagctag | 240 |
| cttttacaaa  | agacgtcttc  | aaataggggc  | cgggtgcagt | ggctcacgcc | tataattttg | 300 |
| gcacttttagg | aggctgaggt  | gggaggattg  | cttgaggcca | ggagtccaag | accagcctgg | 360 |
| acaacgtagt  | gaaacatcta  | ttctaccaca  | aaaattttaa | aaaggaaaaa | attatgtcct | 420 |
| aaaatattaa  | anggnacatta | aaanggccca  | ctngaacttg | gaactttggg | gaatctagtg | 480 |
| caacaacccc  | ttgccggana  | gaagaanctt  | naaccagctn | ttgaattgcc | nggtcaaant | 540 |
| ggtttatatt  | aaaaccgata  | ccactttttt  | ataatccttt | ggnaaatnaa | ctgtaagccn | 600 |
| tttttccttg  | aacggaccnt  | gcctgcccc   | ttt        |            |            | 633 |

<210> 359  
 <211> 635  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(635)  
 <223> n = A,T,C or G

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| <400> 359   |            |            |            |            |            |     |
| acagattctt  | ttagaagctg | gggcagatcc | taatgcaact | actttagaag | aaacgacacc | 60  |
| attgttttta  | gctgttgaaa | atggacagat | agatgtgtta | aggctgttgc | ttcaacacgg | 120 |
| agcaaagtgt  | aatggatccc | attctatgtg | tggatggaac | tccttgcaac | aggcttcttt | 180 |
| tcaggaaaaat | gctgagatca | taaaattgct | tcttanaaaa | ggagcanaca | agaaatgcca | 240 |
| ggatgacttt  | ggaatcacac | ctttatttgt | ggctgctcag | tatggcaagc | tagaaagctt | 300 |
| gagcatactt  | atttcacatc | gtgcaaatgt | caattgtcaa | gccttggaca | aagctacacc | 360 |
| cttgtcattg  | ctgctcaaga | gggacacacc | aaatgtgtgg | agcttttgct | ctccagtggg | 420 |
| gcagatcctg  | atctttactg | naatgangac | agttggcagt | ttcccnatca | tgccagnttg | 480 |
| cccaaantng  | gcctncaaaa | aatcttggac | ttggtaatnc | cccttaactn | accgggncct | 540 |
| gggacccttg  | gcttaaccaa | agtnagnctt | tgtaatttaa | naaaggtttg | ggggncctga | 600 |
| aaantgcttn  | naantnttct | ccggaatggg | ttcng      |            |            | 635 |

<210> 360  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(403)  
 <223> n = A,T,C or G

<400> 360  
 aggtgaaaagt tcaccgagtg gtgctatggg cctgtccggg tgtcgctgta tgacctggct 60  
 tctgtggaca gctgtgagga gaactcagtg ctggagatca ttgcctttca ttgcaagagc 120  
 ccgcaccgac accgaatggg cgttttggag cccctgaaca aactgctgca ggcgaaatgg 180  
 gatctgctca tccccaaagt cttcttaaac ttcctgtgta atctgatcta catgttcac 240  
 ttcaccgctg ttgcctacca tcagcctacc ctgaagaagc aggccgccct cacctgaaag 300  
 cggagggttg aaactccatg ctgctgacgg gccacatcct tatcctgcta ggggggatct 360  
 acctcctcgt gggccaactg tggtagctng ggccggacca cgc 403

<210> 361  
 <211> 631  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(631)  
 <223> n = A,T,C or G

<400> 361  
 ggtacaagct tttttttttt tttttttttt tttttttttt cgttttttaa aactcggggt 60  
 ttatncaata gaatgttttn tagcanatgc ctnttgtttt aatatattaa aattttgcaa 120  
 agccttttga gctactgcct tagtctaccc actgtccttt ngttatgagg tanaggatnt 180  
 catgacacca tacacacaaa cccatcattg cctgtgaatg cacgtagggc canaattcct 240  
 cagttccccg tcctctgagg gttgatactg ctgggaatgc caaccantnc acaagcanag 300  
 ggaagccccc tcaggcctnc aggaggagcc gcagcagggg gtccaattna aaccagcngc 360  
 aaaagagcct gacattttcc catccatnta tgaggaaagc cattttacag aacntggaca 420  
 tagggcactt gnttttccca cacnaanggg atgggaatnt tctacctata gncattcctt 480  
 gnactttctg anttactcan gaccanggnc caactaaang gcaaaaccct tttggntcct 540  
 taaccagaaa agcantnctn nggactgggg acctnccgg gnggccttt aaaggngaag 600  
 ttcennnntt ggggcggtnt aggggaccan g 631

<210> 362  
 <211> 660  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(660)  
 <223> n = A,T,C or G

<400> 362  
 ncnggtacct canttgnctg cttacgctnn anccagcatg tgtgagctag gtcatttntc 60  
 gcaagccagg caaccacacc agngtataa cctcaagcaa atgtnactcc naagcccnan 120  
 atgggactaa ggcctttgct gggctaggcg tgggtgtaaa cccangcctg naagctnnta 180  
 cccaaccnta attagtntca ncttactntc aatatgtgca tantttcata aagcacacat 240

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| tnncatgagg | aaaagangat | ggtggtgaaa | gggnaggggt | gangggacat | nttcaagtca | 300 |
| canaggctgn | anaactcagc | atgacttgtg | gacggaccac | aggncatnca | gggnnacaac | 360 |
| acngacataa | ctcaaccagt | ggtnaacngn | tctaaaccag | ggtnaacagg | agangggacc | 420 |
| aaangnaact | tcctggattt | ngctgcaagt | ttaaaagata | agttctacct | tagctttaag | 480 |
| cttagncctt | tatgggggca | aaaaaanggn | aaagtcaatt | cttgccncaa | atccaagctt | 540 |
| gggccngcca | aaaaagggaa | atnggggttn | ttagggccca | aaacctnaat | tgagntccca | 600 |
| aggnttcaag | gcccaggcaa | attgnaaagt | tcctgccttn | aaagcttggn | ccaataaaaa | 660 |

<210> 363  
 <211> 486  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(486)  
 <223> n = A,T,C or G

|             |            |             |            |            |            |     |
|-------------|------------|-------------|------------|------------|------------|-----|
| <400> 363   |            |             |            |            |            | 60  |
| ggtaccttca  | accttctcta | ttttaatctg  | aggggaaatt | aagagaatct | caaaagttac | 120 |
| tacagagttt  | gggtaggcta | gatacattta  | ttaatagtaa | aagcaaccat | ggcaaaagca | 180 |
| accatactca  | ttcttgataa | tgaaaggatc  | ttctatatac | aaacctagca | aattaaaaaa | 240 |
| aaatactaaa  | acaaagtgtc | tgaagataat  | gaaaggcagt | tcaattcatg | taatgtcaag | 300 |
| taactttcaa  | ttgtaataga | atcattttata | ttcttatagt | gccttacagc | atattttatc | 360 |
| gttaatgaga  | aaatgaacca | aaactatagt  | gctaaccctg | aaaccttaaa | ccgaacctta | 420 |
| caaaagttaaa | gactaagtgt | tggtcagaag  | gaaaaggatg | caccatgcac | cttcacaggg | 480 |
| aaaaatgaaa  | atagcnaaga | tggcagaaat  | gcctgaactc | atgggtacct | gcccggcggc | 486 |
| cgttng      |            |             |            |            |            |     |

<210> 364  
 <211> 686  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(686)  
 <223> n = A,T,C or G

|             |             |            |             |            |            |     |
|-------------|-------------|------------|-------------|------------|------------|-----|
| <400> 364   |             |            |             |            |            | 60  |
| ggtgctcgga  | ataacttcct  | gcagcgacca | acaggctaaa  | gagggggaag | gtctggaggg | 120 |
| atccagcacc  | ggctcctcct  | ccggcaacca | cggtggggagc | ggcgaggagg | atggacataa | 180 |
| acccgggtgt  | gaaaagccag  | ggaatgaagc | ccgcggggagc | ggggaatctg | ggattcagaa | 240 |
| ctctgagacg  | tctcctggga  | tgtttaactt | tgacactttc  | tggaagaatt | ttaaatccaa | 300 |
| gctggggtttc | atcaactggg  | atgccataaa | caagaaccag  | gtcccgcgcc | ccagcaccgc | 360 |
| agccctcctc  | tacttcagcc  | gactctggga | ggatttcaaa  | cagaacactc | ctttcctcaa | 420 |
| ctggaaagca  | attattgagg  | gtgccgaccg | cgctcatcact | gcagaaaccg | tgcaaggcag | 480 |
| aaccgcgatca | gaactaccaa  | ttccaccagc | atgccgtatt  | cccacttggc | ttattgggtg | 540 |
| ggaaataacct | tgccngggcn  | ggnccgttca | aangggcgna  | anttcagct  | cacttggccg | 600 |
| gccggtactt  | aatggggatc  | cnaaactttg | gnaccccaaa  | cnttggggcg | nnaatncatn | 660 |
| gggcaaaaat  | tggntnncnc  | tgggggnaaa | atggtaatnc  | cgggtcacaa | nttcccccca | 686 |
| attttctann  | cccgggaagct | taaagg     |             |            |            |     |

<210> 365  
 <211> 639  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(639)  
 <223> n = A,T,C or G

<400> 365

|             |            |             |             |             |             |     |
|-------------|------------|-------------|-------------|-------------|-------------|-----|
| ggtacatcct  | aaagcattct | ggtacaaatg  | aaatggaact  | gcctcttggtg | ggtctatttc  | 60  |
| agaagtctgt  | tgtagagatt | cagttcacag  | gcaccaacca  | gaagcctagt  | gaggccgttt  | 120 |
| gaaattctgtg | cccagattaa | tttttttaaag | ctgcatttgg  | agctttttta  | agtcgagctg  | 180 |
| tttccaaagg  | cttaactgaa | gagtaactga  | tttctactgga | aataaaaagtc | cacatgtgat  | 240 |
| cccagctgga  | gtgtggtcat | atttttcttg  | caaacctaga  | atgtcttggg  | gaacaaacgg  | 300 |
| ctgtcacgtg  | tccccttcca | aaaatgtctt  | aaacaccgga  | aaggagggca  | ggctaagggtg | 360 |
| tagcccttcc  | caccctgggt | gccagggttg  | gggggtgctat | aagtgaaata  | tcaaagcttg  | 420 |
| aggcactaat  | attctgaatt | tcagcctcaa  | agganggann  | gtntcnngaa  | tcnangaagg  | 480 |
| aggggaagga  | cccaganacg | gggaatggcc  | tggatgggat  | naatccanna  | cntggggnaa  | 540 |
| agctggtttc  | ctgaataatg | nggtcntggg  | gaccttgccc  | ggccggnctg  | tcnaaaggca  | 600 |
| attccacccc  | atggnnggcc | gttactaagg  | ggntccgcn   |             |             | 639 |

<210> 366  
 <211> 586  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(586)  
 <223> n = A,T,C or G

<400> 366

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| cgaggtacaa  | aattgcagat | agtggcttac | tgagtttaag | atcaagatca | gacttaaact | 60  |
| caacaagatc  | accaaaggta | tttctactga | gttttcctat | gtcccacagt | aagctgggtt | 120 |
| agagagaact  | caaattcctg | atggaaaaca | aaaccgaaca | aaaaaactag | aaaaaaaaag | 180 |
| tggtaaaaat  | gctgtgtaag | ttgctgcaaa | aggggaaaaa | gaatagacac | taactccatg | 240 |
| taatttttaga | catgcagctt | ttgtgttttt | ttttgttttt | gttttttttt | ttttgaaaaa | 300 |
| aaccagttta  | ttttgagatc | agtgaaaaga | gtctangcca | cagaaaagaa | cagctcttta | 360 |
| atgcaagtta  | aaatgtgtaa | atgaatgacc | cgggacactt | gacaccttta | gatgcagact | 420 |
| tcattcggca  | ctgggtggct | cagacttgcc | ggcngccgtt | naaaggcnat | tcaccnctgc | 480 |
| ggccgtctan  | tnggtccaac | ttgtccaact | gnnaanaggn | tanntgtctt | gggaaannnt | 540 |
| nntncattcn  | cnntnaccga | gctaagntag | cggnngnntg | nggnnn     |            | 586 |

<210> 367  
 <211> 628  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(628)



&lt;223&gt; n = A,T,C or G

```

<400> 367
gcttcctgag gagcaggcca gaacggaagt cttgggtttta tttatagttg ataacttaca      60
tccggcctgc tcctcaggaa gcacagcagg gaggagacag agcccaaagg agacggcgac      120
aaaaatgccc aaacccctga gctaattgtg tgactgagag caagcctaaa gctcccttct      180
gagctcccca gcagccaaag caaagagaga aacaggggtcc tgcagcatga tgtcacagaa      240
aaccagggac cctggagcct ggggtccaat aagaacctta cattctgacg ccttagattt      300
ctccctggaa aatggggaga aaaatactga attgggtggg agggccatgc aacacaccca      360
gcacagtgtc tggatgcatt tcagaggccc caccagtcta ggggtctacg aaagacagta      420
ccttnggccg ngaccacgct angggcgaat tccactcact ggcgggcggt tctaattgat      480
ccnacttcgg accaactttg gcgttatcat nggcataact tgnttcctgn gggaaaattg      540
gtatcccgnt tcaaattnc cccantttct aancgaannc ttaangttta aacctggggg      600
ncaaataagn gcttacctcc tattgggn

```

&lt;210&gt; 368

&lt;211&gt; 618

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(618)

&lt;223&gt; n = A,T,C or G

```

<400> 368
acaattcata gggacgacca atgaggacag ggaatgaacc cggctctccc ccagccctga      60
tttttgctac atatgggggtc tcttttcatt ctttgcaaaa acactggggt ttctgagaac      120
acggacgggt cttagcacaa tttgtgaaat ctgtgtagaa ccgggctttg caggggagat      180
aattttcttc ctctggagga aaggtgggtga ttgacaggca gggagacagt gacaaggcta      240
gagaaaagcca cgtcgggctt tctctgaacc aggatggaac ggcagacccc tgaaacgaag      300
cttgcccttc ccaatcagcc acttctgaga acccccatct aacttcctac tggaaaagag      360
ggccttctca ggagcagtc aagagtttca aaagatacgt gacaactacc atctagagga      420
aaggtgcccc ttagcagaga agcccagagc ttactctggt cgtttncaga nacaactgnt      480
ggcttgcttg ggatgcccc agcctttgan aggcctttac ccattgacct tttgccatcc      540
cttgggcatt aacttnnggc cttgggnntt aanccttgnnt gccttnaang gncaggtttt      600
gcttaanccg gntgnnggc

```

&lt;210&gt; 369

&lt;211&gt; 443

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(443)

&lt;223&gt; n = A,T,C or G

```

<400> 369
gcagggcggg cngcggggtc ttggcgaacg gtcttcggaa gcggcgggcg cgcgatgacc      60
acgctacggg cctttacctg cgacgacctg ttccgcttca acaacattaa cttggatcca      120
cttacagaaa cttatgggat tcctttctac ctacaatacc tcgcccactg gccagagtat      180
ttcattgttg cagaggcacc tgggtggagaa ttaatgggtt atattatggg taaagcagaa      240

```

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| ggctcagtag | ctaggggaaga | atggcacggg | caccgtcacg | gctctgtctg | ttgccccaga | 300 |
| atttcgacgc | cttggttttg  | ctgctaaact | tatgggaagt | actagaggag | atttcagaaa | 360 |
| gaaaggggtg | attttttgtg  | gatctctttg | taagagtatc | taaccaagtt | gcaagtaaca | 420 |
| tgtaccttng | gtcgcganna  | cgc        |            |            |            | 443 |

<210> 370  
 <211> 636  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)... (636)  
 <223> n = A,T,C or G

|             |            |             |            |            |            |     |
|-------------|------------|-------------|------------|------------|------------|-----|
| <400> 370   |            |             |            |            |            |     |
| acattttgttt | atttaaagca | caggaaatga  | ataaaatgcc | acctaataag | tatctgcaat | 60  |
| gaataaaatta | tttccagtga | agcactgcag  | atccacacac | accagtctgc | taacctttac | 120 |
| caaggccatg  | tccggtgggc | ttgtgcttgt  | tccagttagc | tcttccttga | gacctttccc | 180 |
| ttctgtgcaa  | tgaccacagc | attagagacc  | agtcctgcat | gcgctggcct | tcctcgtagg | 240 |
| catggcagac  | cacgtggatg | agcagtgggc  | tggcatgcag | taggcttnaa | caaagtggc  | 300 |
| ttcactgttt  | ccagtgaacc | tgaaatgttt  | tacgtaagt  | gggcctgggc | tttaaagaaa | 360 |
| agagccaggg  | ttcctcaagc | tgggccccctt | tacttgaggc | cagcttcagg | aaatactggg | 420 |
| cttaaggagc  | cagcaacttg | tccaggagtt  | ttgagccctt | antttgaagg | aaaatggccc | 480 |
| cttgngtcc   | ntgcaagcac | caggnatttc  | cgtgatngtg | ancaagtnac | cnnccttaag | 540 |
| ggaaggccaa  | tccnctttg  | ggnggantcn  | agggcnctan | tcctgtttgg | aagggttga  | 600 |
| aggttgggaa  | tntttaaaat | ggaggmntng  | gcttcc     |            |            | 636 |

<210> 371  
 <211> 615  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)... (615)  
 <223> n = A,T,C or G

|             |             |             |            |            |            |     |
|-------------|-------------|-------------|------------|------------|------------|-----|
| <400> 371   |             |             |            |            |            |     |
| ggtacaagct  | tttttttttt  | tttttttttt  | tttttttttc | tgttaaagaa | tgctttatta | 60  |
| atacaaaatac | acacaaaactc | tgaagcacta  | anaaatttaa | atatctatgt | cacagcaaac | 120 |
| agggtggcaat | tcaacatcca  | gggtcgacag  | aatgcttgaa | gganactgca | acagattgga | 180 |
| ttcccatggg  | gganagggca  | tnttcacagg  | tgaagggggg | cccagctgaa | acagcttttc | 240 |
| aagctctctc  | tcctcgtaaa  | ggatcatgag  | aggcactcca | ctcaagggga | gggtgcgaat | 300 |
| ctggtgctct  | tcaggcaggt  | caaaaactctc | aaagtctaga | ggattgaagg | gaaagaattt | 360 |
| ttctatttct  | ggataggcat  | catctgaggc  | aggaacagag | ctttttgctt | taacagtctt | 420 |
| ctcagtcac   | ttttttggca  | aaaaagcttg  | gctgggtttg | tttgangggg | tccttgggct | 480 |
| ttacagactt  | ttctgnaact  | ctgttgacca  | gnttcccaaa | gcctttttta | gtaactttta | 540 |
| ggtaaggctt  | ntgggggcat  | taaacctttt  | tccaaacctg | gggttgaaac | ttggaaccnc | 600 |
| ctttaagggt  | ttgnt       |             |            |            |            | 615 |

<210> 372  
 <211> 612

<212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)...(612)  
 <223> n = A,T,C or G

```

<400> 372
actttttttt tgttctagga atgagggtag gataaatctc agaggtctgt gtgatttact      60
caagttgaag acaacctcca ggccattcct ggtcaacggt ttaagtagca tttccagcat      120
tcacacttga tactgcacat cangagttgt gtcacctttc ctgggtgatt tgggttttct      180
ccattcaagg agcttgtagc tctgagctat gatgctttta ttgggaggaa aggaggcagc      240
tgcagaattg atgtgagcta tgtggggccg aangtctcag cccgcagcta agtctctacc      300
taagaaaatg cctctgggca ttcttttgaa agtatagtgt ctgagctnat gctanaaaga      360
atcaaaaagc nagtgtggat ttttagactg naattaaatg aggcnaaang atttctattc      420
ccagtgggaa agaanaacctt tctactgaag ttgtgggggg antatgttng aatgttagag      480
agaaccttta aggnntnctt tgattggccc ttggagaccg nttggannac atnncccgga      540
attnnantan aaattntttc nggnttnaag tttcccntg tngtngnann ccaacctngt      600
ttttgcccc cc                                     612
  
```

<210> 373  
 <211> 638  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(638)  
 <223> n = A,T,C or G

```

<400> 373
ggtactcagt atttcaaate atgaacacaa gattggaact tttggaaaaa tgggttcaag      60
ctttcctatt agccatggaa atgcaaagtt tagcagaagc aagcaattag gcagagaaca      120
aaaaatgttaa gcatgggtgt gtctatctta ttgaagtggg ttgaaatgaa agcttttaaat      180
ttgatagatt tatcagtata aaattaggga aaccacgtgt ggggaatgaa tcaatttaga      240
gcttcgggaa ttgtgaggtg acttttgtaa cttttgttct gtgtgtgacc tgtgaaccac      300
tagatgtgat ctgcccttgt gggcagggtcc agcatagtta ggagttaggc tttancataa      360
aattctagct gcatctgagt ctcttgggat ggggtgctctt tggctngttt tggcctgccn      420
gattgggtgag atccagancc agctttttcc tgctgcttgg cccctnncaa ttaatttggt      480
gggattgcca gtgcnagaan accttagttg taaagaattt taatcctacc ncgaccnagt      540
tccaaaangc ngggttttga atgtgggaan tttnnnaatt ttcccttana aagtctaaat      600
tttgtccngt tanactnttg gttttaaagg gaaggggaa                                     638
  
```

<210> 374  
 <211> 503  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(503)  
 <223> n = A,T,C or G

```

<400> 374
ggtacagatt aacttaacac aaaaacccga acttcaaaat gaagggtgtgt ggaggaaagg      60
tgctgctggg tctccctaca actgttcatt tctttgtgag gcagggggta gttcctgaat      120
ggctgtgggt caatgactaa tgtaaaacaa aaacagaaac aaaaaaaca aggaactgtc      180
atltccacga aagcacagcg gcagtgtatc tagcaggcct cagggccctg ggccctggga      240
ggctacatga gggggagcct cagtcacagg atcaacctgg ggcccgaagg agcagggttc      300
cctgcctctc cctctgcaac agatcatccc atccaacaca acccccaaaa tgttgatgat      360
gacgcaacat ggtcaaccct caagaccttt aagacaaaac agagcagcat aggaaaaaaa      420
aaacaaaacg caccaatttc tgcattgtgc aatggtaggg caccntttta aaaaagtctg      480
tctaaaacan nctntgttta ctt                                     503

```

```

<210> 375
<211> 611
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

```

```

<400> 375
ggtacaaaag ctgttgaact taatcccaaa tatgtgaaag ctctcttttag acgtgcaaaa      60
gccccatgaga agctagacaa taagaaggaa tgtttagaag atgtcactgc tgtgtgtata      120
ttagaagggt tccaaaatca acaaagcatg ctgttagccg ataaagttct taaactcctt      180
ggaaaagaga aagccaaaga aaaatataag aatcgtgaac ctctgatgcc atctccacag      240
tttatcaaat cttacttcag ttctttcacg gatgatatca tttcccagcc catgcttaaa      300
ggagagaaat ctgatgaaga taaagacaag gaaggggagg ctttagaagt gaaagaaaat      360
tctggatact taaaggccaa acagttatgg aagaagaaaa ctacgatana atcataagtg      420
aatgcccana aaaaaaaatn atttaaaaaa aagcttgtcc ctgccggccg gccgttcnaa      480
agggcgaaat canctccctg gngggcggtg ctannnggat ccaacnttgg gccaaccttg      540
gngnaaacan nggntatant gtttcctggg naaatggtnt ccngttncnaa tccccnaatn      600
ntngngccgg g                                     611

```

```

<210> 376
<211> 601
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(601)
<223> n = A,T,C or G

```

```

<400> 376
cgagggtcttt tctctctttc tgtcttcac ccagatcaaa gaatcccag ttaggatctg      60
gatgaaggat aagcccctga attgtcgatg ggctcaccoc cacttgacc cagcatctga      120
acttgcttaa cagggagccg gggctaaact gcttcaccct gcctgagaac cagggagcac      180
tgcattttct cacagggtgg aggagaagag gcagaataaa ccaagcctgg gacacctccc      240
tctgtcttag gtgtacagca cacagggtta tactcttcac cctcatcctc tccgtcagca      300
ctatctgctc caacctctc ataatccttc tcaaggcgag ccatgtcctc acgggcctct      360
gaaaaactcgc ctggaccaca aagtttgacc tgatgtatgc caagccgtgc ctttggtcac      420

```

```

tggnacctgg ccnggccggc cgttcaangg cgaattccac acactggcng gccgtactan 480
tggatccnaa ctnggaccag cttngntaat catggcatnc tggttcctgg ggnaaatggt 540
atccgttaca attccnccan ntcnancgg aacctaagg gtaaacttg gngctaata 600
a 601

```

```

<210> 377
<211> 621
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (621)
<223> n = A,T,C or G

```

```

<400> 377
ggtacaagct tttttttttt tttttttttt tttttttttg tctgttcaag aaccagtctg 60
ggatcttgta cccagctcta attactggcc gtagcagcat attgcttaan aattttgtag 120
aacttatctc tcatacagcag ctgtccaaag gactgataaa tagagacaga tcccagtcct 180
ggatactttc tgtaaatcct aatcggagac tcacttntna gcaatggagg ctgaaagtct 240
tagtgagact cagtaaattc cttnaggcct tggcagatgg atccagtagg ttgagagaaa 300
gtgaaggact tcaggaacag aaagaaaatc cccatgccac tagcaactcc atttttatna 360
actggaagga acatgccaac gaccagcaac acatccaggg tttatgaaaa tgggggttca 420
cagncnaaat gtctngntcca agttcaggct ncnggatttt gggttggagg actgaatggt 480
gtggattaaa ggcttncatt ttcttgnaac cttgaaaggg tttttnggan aanaattcnt 540
tgntaatgna agctnggttt aaacttgacc tngcccgggn ggcccnttca aaagggcgna 600
ttncgcncn ttggggggcc g 621

```

```

<210> 378
<211> 327
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (327)
<223> n = A,T,C or G

```

```

<400> 378
acatctccga cagtatctgt ttcagcatct ttgcncttct gaagtctttn atacttgtag 60
caaaagtcc tgaaactggc ctccangtgt ccctccacct gtgctggcac ttgggcgttt 120
ccacnaaact tcccaaacag ctcaaatcc tggctgactg ggacaataat tcagcaaact 180
ggctactcag acctggcacc aaatgtcctg tccaaaatgc tgttactga accagtgtg 240
ggcgcccctg ggcaggggtg ctgcatacc cgccacatnc acttggccgc cagaagccng 300
nggggaagga cctnggcgcg acnacgc 327

```

```

<210> 379
<211> 517
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (1)...(517)  
 <223> n = A,T,C or G

<400> 379  
 actcacaagt aagaaacttt ctctactgaa ggatactgtc acagagtttg ttgcagagca 60  
 tctatatata tattttattna tttatttttaa aaaantaaac aacantgatg aacganccca 120  
 ggttcctaga accaattctc ttgattctct acttccacaa aataaagtg atcatttggc 180  
 caagactaca gatgtgtttt tnttttttca canatgcaag tgccatgcaa aaataaatta 240  
 aagaacagat accaaaacat acatgtgata aaactacana tggtagatgt ttaaaggcat 300  
 ttatataaac ntaatttata aatacttctc tttntgcctt tatatacagt cncaaantctg 360  
 gntgttatac atntaggatt tcctntgcnt gaccttnggc cgtnacnacg nntaagggcc 420  
 gaattctgga agattccatc tacaattggc ggctcgtttn tancatncct ttntanggcc 480  
 caatttngnc cnntannnga gtengattac aanntcn 517

<210> 380  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<400> 380  
 acgctgtgga gggctgcagt gctcgtggat tcaaaatcac agagggctgg taaatggcag 60  
 cttctgtagg aataactgca gcaggagctg gaaatgtgta ggaggaggga gacaggcatg 120  
 gtaacttaca tggcgggtggg gataagccat ttcgatttaa agtgccccc attaacacaa 180  
 agttcatctc ctgagctgaa cactgaaaga cttcaacata tctgtccttc atgttttttt 240  
 atgacacttc tgtgcagcca taaatgctct gtccgcagac ttcattctgga taaaggcatc 300  
 tcctgatggg cggccctggt gattcaaaac catgtgaacc ccatgagtac c 351

<210> 381  
 <211> 622  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(622)  
 <223> n = A,T,C or G

<400> 381  
 acacttccaa ttgtccatat aattaagctt tccacaatct tacacacca tcatctcctg 60  
 aagatgctag caccgttccct gttatatccc aactcactcg ccagacctga gaattatgat 120  
 tatcgaactg agccactata tggatttcaa actttgttgg cccaccagag gaagttagtt 180  
 ctttcctcac aggcctttaat gtaaaaattc tcacatcttt ggctcgctatt gctagaatat 240  
 ggaaagatct tcccaaattt ggagcgaatg caatatcatg aacaggatca gtgactgtca 300  
 taagagtttc agctttttgca tatttcctgg tgttttcatt atattcaaaa atctgaacct 360  
 tggccattgc gttgggggcta ctgncatcac tttctacggc gatcatgggg gaatgagcac 420  
 gagagctttg nagggggtnc aagaaatnca ctccagctt agcttacttg aganctctgg 480  
 ctggnaaaga cccctnggct gagaattcnt aaccatctgg ggccctcaaa nantcttacc 540  
 tttccattng nggacaagggt ggttacttag aacccnnggn cttgggacca acttncnttt 600  
 cggtnncana gttttggtnt cc 622

<210> 382  
 <211> 509  
 <212> DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(509)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 382

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggtactctca | ttcccgtccc | attcaggctg | atagtaacag | cctaggtaga | gtcaacacat | 60  |
| aaaaaagtgt | aattccaggg | gaggaggatt | agaataagga | cacaaaggaa | gggaggaaaa | 120 |
| tggtctttga | ggctgaaatt | ccattaattt | ttcatagtat | tgagtttata | tttgccattg | 180 |
| catccttcaa | tctttctaaa | aaggaaatcc | ccggaacata | ataaaatctc | ttctgtatag | 240 |
| aaaagctaca | gctccacact | aagaggaatg | ccgtctgcct | taaagaatgg | aatcatcagt | 300 |
| gaccaagaat | tacttccaag | gagaaattca | ttgatattaa | aaccaaagcc | agatccagct | 360 |
| cagcaaaccg | acagccagaa | cagtgatagc | gagcagttat | ttagagaatg | gtttccaaac | 420 |
| ccgccaacct | gcacggtgtt | atttctgcc  | cgtgtctctg | gaacacacat | taaactgtgg | 480 |
| aaactnnctn | ctttccgctg | gggggtcccc |            |            |            | 509 |

&lt;210&gt; 383

&lt;211&gt; 380

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 383

|             |            |             |            |            |             |     |
|-------------|------------|-------------|------------|------------|-------------|-----|
| acaattccac  | ttatccatac | tattccttta  | taaaaggcag | atttcaggta | agctttctaaa | 60  |
| tgcatgcgta  | atgtagaggc | taatatcttc  | tggcagtcct | tggttcctga | aatttgaact  | 120 |
| tcataatgtgt | tttaaacctt | tgtcaaaaata | gtcatgaaag | atatgttatt | tttgcataat  | 180 |
| gaggtaatat  | atcaggggag | ggcactcata  | agacagtata | aatccacttg | tctaaacttg  | 240 |
| catgaggctg  | tgtgcattgt | aaaatgccat  | aaagagtctt | gggtcaagtg | aatattttgc  | 300 |
| tgaaggaata  | acacttacat | ttaactgagc  | acttttctgt | aataaatacc | aaagtaggtt  | 360 |
| tttgtagctg  | taaactgtgt |             |            |            |             | 380 |

&lt;210&gt; 384

&lt;211&gt; 317

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 384

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggtcccagac | ccaagaccaa | ccgatggagg | aggaggaggt | tgagacgttc | gcctttcagg | 60  |
| cagaaattgc | ccagttgatg | tcattgatca | tcaatacttt | ctactcgaac | aaagagatct | 120 |
| ttctgagaga | gtcattttca | aattcatcag | atgcattgga | caaaatccgg | tatgaaagct | 180 |
| tgacagatcc | cagtaaatta | gactctggga | aagagctgta | tattaacctt | ataccgaaca | 240 |
| aacaagatcg | aactctcact | attgtggata | ctggaattgg | aaatgaccaa | ggctgacttg | 300 |
| gatcaataac | ccttggt    |            |            |            |            | 317 |

&lt;210&gt; 385

&lt;211&gt; 275

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 385

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| acttttagtc | cctgttttac | aggggttaga | atagactggt | aaggggcaac | tgagaaagaa | 60  |
| cagagaagtg | acagctaggg | gttgagaggg | gccagaaaaa | catgaatgca | ggcagatttc | 120 |

```

gtgaaatctg ccaccacttt ataaccagat gggttcctttc acaaccctgg gtcaaaaaga 180
gaataatttg gcctataatg ttaaaagaaa gcaggaagggt gggtaaataa aaatcttggt 240
gcctggaaaa aaaaaaaaaa aaaaaaaaag ctgta 275

```

```

<210> 386
<211> 606
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

```

```

<400> 386
ggtacatgga tattcccaaa ccattccatt agaaaactgc cctccctgca cacacaacaa 60
aaacagcgct atttcctaca cctattggac tgaaagtgtc tggaaatgga atggtttttag 120
aatatgaaga agaacacaaa ccaagtagct gtgggttgaa cctggacgtg agctggctgc 180
agggccgttg ggtagaaaaa cagcatctca taaacagggtc actacaaaaa taggaagagt 240
ataaaaatag aatatattat gtcactatct cgtcttctct ttatagtagc gtatcgtagg 300
agtgggacag gtggcctttc ccgaccctgc tacgctggct ggtgcccgcac aaacctccac 360
tggtatgggtt gtcactggat ggtttggttg ggtgggtggc acaggcgcaa aggacatgca 420
cacgggcacg ctgcgtactg naaccacagan gtgacttcag cntgaataaa ggngaaaagg 480
tccccatnta nctcnggaat tattncctnc ccaggnccta ttaagggggt ttntggcttt 540
tnaccancca agncccnccc cttgaaangc caaacttttt tgaaaaaaaag gganccttgn 600
atngnc 606

```

```

<210> 387
<211> 339
<212> DNA
<213> Homo sapiens

```

```

<400> 387
accacttgca gtcaaatgaa ttccttcgaa atgtatttga acttggaccc ccagtgatgc 60
ttgatgctgc aacgctttaa acgatgaaga tttctcgttt cgaaaggcat ttatataact 120
ctgcagcctt caaagctcga accaaagcta gaagcaaagt tcgagataag agagcagatg 180
ttggagaatt cttctagatt ttcagaactt gaagactatt ttctaatttc tttttttttt 240
tctatttcaa tgtattttaa ctctagacac agtttttatc ctggattaac ttagataact 300
ttttagtagc tggttatatt gcttataatt taatgtacc 339

```

```

<210> 388
<211> 667
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(667)
<223> n = A,T,C or G

```

```

<400> 388
taccagttgt catcatagcc ggagatggac acttcaggag ggtagcgtac attcccatga 60
caccaatact acagtttttc gagtcacagt aagatacaca gaattacatc cgtaattaat 120

```



|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| atgaatgcc  | acatgtcaag | cagtaatttg | ttacatggca  | aacaaaatca | agaaagcaac | 180 |
| catcaaaca  | aagagaccca | tagcttcaga | caaggcaaat  | cccaggatag | catatgagaa | 240 |
| cagctgctgc | ttcagcgaag | ggtttctggc | ataaccaatg  | ataaggctgc | caaagactgt | 300 |
| tccaatacca | gcaccagaac | cagccactcc | tactgttgca  | gcacctgcac | caataaattt | 360 |
| ggcagcagta | tcaatgtctc | tgctgattgc | actggctctga | aactcccttt | ggattagctg | 420 |
| agacacacca | ttctgggccc | cattaaatac | cgtagagccc  | tctccagtcc | tactagcctc | 480 |
| tggtcgagat | aacactgatg | cagaaattgg | tctgtatgca  | actctggatc | cagctcggat | 540 |
| cagagagggg | gtgcaggcga | gcttggcgca | ggcgaacatc  | ttacactctt | cgggactgcg | 600 |
| cggctggaga | tattgggtga | caggcgacgt | gggctcctct  | cccgttntct | ctctttccag | 660 |
| gaagcgg    |            |            |             |            |            | 667 |

<210> 389  
 <211> 613  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(613)  
 <223> n = A,T,C or G

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| ggtagcagtt | gtcatcatag | ccggagatgg | acacttcagg | agggtagcgt | acattcccat  | 60  |
| gacaccaata | ctacagtttt | cggagtcaca | gtaagataca | cagaattaca | tccgtaatta  | 120 |
| atatgaatgc | caacatgtca | agcagtaatt | tggtacatgg | caaacaaaat | caagaaaagca | 180 |
| accatcaaac | aaaagagacc | catagcttca | gacaaggcaa | atcccaggat | agcatatgag  | 240 |
| aacagctgct | gcttcagcga | agggtttctg | gcataaccaa | tgataaggct | gccaaagact  | 300 |
| gttccaatac | cagcaccaga | accagccact | cctactgttg | cagcacctgc | accaataaat  | 360 |
| ttggcagcag | tatcaatgtc | tctgctgatt | gcactggctc | gaaactccct | ttggattagc  | 420 |
| tgagacacac | cattctgggc | cccattaaaa | taccgnagag | ccttttcagt | cctactagcc  | 480 |
| tctggncgag | ataacactga | tgcanaaatg | gnctgtatgc | caactctgga | tccacttcgg  | 540 |
| ttcaaaaagg | ggtgcaggca | acttggccca | ngcgaacatn | tacacttttc | gggactgccc  | 600 |
| gnttggnnaa | tgg        |            |            |            |             | 613 |

<210> 390  
 <211> 278  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(278)  
 <223> n = A,T,C or G

|             |             |            |            |             |            |     |
|-------------|-------------|------------|------------|-------------|------------|-----|
| actagtccctc | tagaaaatagg | ttaaactgaa | gcaacttgat | ggaaggatct  | ctccacaggg | 60  |
| cttggttttcc | aaagaaaaagt | attgnttgga | ggagcaaagt | taaaagccta  | cctaagcata | 120 |
| tcgtaaagct  | gttcaaaaat  | aactcagacc | cagtcttgng | gatggaaaatg | tagtgctcga | 180 |
| gtcacattct  | gcttaaaagt  | gtaacaaata | cngatgagtt | aaaaaanant  | cttttnttga | 240 |
| actctnanga  | aaancttgga  | ccttngccgn | gaccacgc   |             |            | 278 |

<210> 391  
 <211> 604

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(604)  
<223> n = A,T,C or G

```

<400> 391
gggtctttttt tttttttttt tttttttgaa cacagatcac tttattggca tggctttggt      60
ttaagaaaag gaaaagtgaac aaagccaaga gacagactnt gctaacagat gcctgggggt      120
ggctggacat ttttgacctca tgctgtgcaa agagggggat cctggccccac acatcctgct      180
gattccttgg gacaagggtg tctgcctggg cctcactgca ccttcttgaa tacttgcttg      240
canaccacac cttccactct natctncagg tgcagctcat caccctngat ccactgggtc      300
cagccacgcc ccttcttctc acccttctga cacactggag cttgctccgt cccagtcact      360
gtgtcatgca cttgcgggna tctatgcctg nagatcctcc taaactcctt tccaacctgg      420
aagtccatga tgnantncct aaaagnctc accgtggcgg angatcatat gggtcancgg      480
ntgaacgaan tnttttggcg ggnttcanna agttgcccat ttttgcgcaa gggccattg      540
gncgtnnagg gccangtnc tttgcngnnc ccctnagggn gaatccccac nttggggcgg      600
tntn                                     604

```

<210> 392  
<211> 610  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(610)  
<223> n = A,T,C or G

```

<400> 392
acgaggggag cgagacgaaa ggagaacggt gattattcat gacaggcctg atatcactca      60
tcctagacat cctcgagagg cagggcccaa tccttccaga cccaccagct ggaaaagtga      120
aggaagcatg tccactgaca aacgggaaac aagagttgaa aggccagaac gatctgggag      180
agaagtatca gggcacagtg tgagaggcgc tccccctggg aatcgtagca gcgcttcggg      240
gtacttattg gcacaaattc gggcagcctc cagggcttca gaggacagct gctcatattc      300
atctgacacc atgtggccac aaagcggaaa ctcatccact tttgcctttt tccgccccag      360
gtcaaaaatg cgaatcttgg catcagggac acctcggcag aagcgagact ttgggtgagc      420
ttgttttcca tctagggatg atgggagaca gtgacaaatc atccaccatt agatttttat      480
aaggagcgca caaccagac aacccaaatc cctttggatg tgccagttca caatagtgg      540
catgcctcca ttgagaatat aatggctctn gacttgccgg aaggcaaat taaggccata      600
atgggaccng                                     610

```

<210> 393  
<211> 314  
<212> DNA  
<213> Homo sapiens

```

<400> 393
gggtcccagac ccaagaccaa ccgatggagg aggaggagggt tgagacgttc gcctttcagg      60
cagaaattgc ccagttgatg tcattgatca tcaatacttt ctactcgaac aaagagatct      120
ttctgagaga gctcatttca aattcatcag atgcattgga caaaatccgg tatgaaagct      180

```

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| tgacagatcc | cagtaaatta | gactctggga | aagagctgta | tattaacctt | ataccgaaca | 240 |
| aacaagatcg | aactctcact | attgtggata | ctggaattgg | aatgaccaag | gctgacttga | 300 |
| tcaataacct | tggt       |            |            |            |            | 314 |

<210> 394  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (498)  
 <223> n = A,T,C or G

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| <400> 394  |            |             |            |            |            |     |
| accagacctg | tcaacgtcna | tttctcggna  | aatttnttgg | tatttttgaa | tctnctgcca | 60  |
| gagaatgtaa | aactccttca | gncccagctt  | gccactcccg | tccgaatcta | gcatgtcaac | 120 |
| cataatttng | aatcttcgtc | cagagaatgt  | agaactcctt | cagccccagc | ttgccactcc | 180 |
| cgccgaatc  | tagcatgtca | accataattt  | tgcattgctc | gatgctgaag | ccatctgact | 240 |
| ggatatcttg | gcgctttgct | agaacccttc  | tcaggatggg | ctgcngctca | aaggcanaga | 300 |
| tctccgnatc | ctctcctgcc | aactggggcaa | acagnctcct | gaatccatca | tcaatgtcat | 360 |
| cctcgctgat | gtcgaactct | tcaagattgg  | cctcgatttc | atcatcgaca | gcttggtagt | 420 |
| cagctttctt | ttcagaaaag | accgggatgc  | agaaatcccc | atccttgntg | ggttcgaagg | 480 |
| tggaaggcac | ganaatgt   |             |            |            |            | 498 |

<210> 395  
 <211> 629  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (629)  
 <223> n = A,T,C or G

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 395  |            |            |            |            |            |     |
| gccgcccgtc | aagctgtcca | catccctggc | ctcagcccgc | cacatcaccc | tgacctgctt | 60  |
| acgcccagat | tttcttcaat | cacatctgaa | taaatcactt | gaagaaagct | tatagcttca | 120 |
| ttgcaccatg | tgtggcattt | gggcgctggt | tggcagtgat | gattgccttt | ctgctcagtg | 180 |
| tctgagtgtc | atgaagattg | cacacagagg | tccagatgca | ttccgttttg | agaatgtcaa | 240 |
| tggtacacc  | aactgctgct | ttggatttca | ccggttgggc | gtagttgacc | cgctgtttgg | 300 |
| aatgcagcca | attcgagtga | agaaatatcc | gtatttgtgg | ctctgttaca | atggtgaaat | 360 |
| ctacaaccat | aagaagatgc | aacagcattt | tgaatttgaa | taccagacca | aagtggatgg | 420 |
| tgagataatc | cttcatcttt | atgaccaang | gaggaattga | gccaaccatt | tgnatgggtg | 480 |
| gatgggtgtg | gttgcaattn | ggtttactgg | ggaaactggc | cattangaaa | agggntcctg | 540 |
| ggtaaaagaa | tccttatggg | ggccnaacc  | tttgnttnaa | agccntngcc | ccaaaaangg | 600 |
| gnnttttggg | cggnatgttt | cnaaaaaacn |            |            |            | 629 |

<210> 396  
 <211> 614  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(614)  
 <223> n = A,T,C or G

<400> 396  
 ggtacttggg cttctttcag ctgcttcaac agagtggcag caaccaagct ggagtccaag 60  
 ccccttgata aaaggcagcc aatccttctg tctgtcatca aacgtttctt tacagcatta 120  
 ttaaaaagga tcctgaggtt gttcttcaca gtttctatct caaaacctgg aaagagtctc 180  
 tccacattgt catagagggc gtgcaggggt tcatcccgac agtcatgata ttaaccatt 240  
 tccacggatg caactttgcc atttggcttt aaatccaaaa cttcatagt tccaggaaga 300  
 aaaggctcca cttttaaaaa gggagtgcg gagtgttcca atgtaacaag acctttaact 360  
 tctgaacata cagccaaaaa tcatctttct gncattgctt taaaccaang tctgactcca 420  
 tatggatatc cttaccagg aaccntttc ttaatgggca ggtantccag ttaaaaccaa 480  
 atggcaaacc ccancantc caaccnttc naaatggntt gggttnaaat nccttccttt 540  
 gggcataaaa gaattnaang ggnntnnttt tancctttcc ccttttgggc ccggggattt 600  
 cnaaaattcn aaaa 614

<210> 397  
 <211> 588  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(588)  
 <223> n = A,T,C or G

<400> 397  
 acctgggcat aggaaggaac caggacaggg ctggggacag aagggtggtca cagtcatggt 60  
 ttcactctca gaaatatcct gggcctatgg cttaaggctt cgtggagcag ggagtggacc 120  
 ttgtgggttat ttacaaggct gggccatata aaagcattgc aaacatggag tggagaggat 180  
 ccttggagat gagctgggtc aatcactcct ctgaccaaca aggaaacaaa ggcccagaga 240  
 ggagaaggca gtgcctggcc agacgtggga cctgaaccca gccagggctc tgactcccag 300  
 tccccagtc cctctcttac ctcccttgctt ggctgagtct ttttttgata aaggccccag 360  
 acagcctctc cgacagtctc aggtcaggct ggggttataa atggagcagt ggactcagag 420  
 tcagaggccc agactctgnt cttgggcctt nacattacca agncttgcta ataaccacga 480  
 ggccctgggtg tggaggggct gctctctttt aagctcagct cntatctgga acaggccaca 540  
 aagttncatg ggataanngn tgaggccnna gcccacagng tggaggnc 588

<210> 398  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<400> 398  
 ggtactagcc ggacttggat tttctggaaa gatttcagtt gaggaacggg aacaaagatt 60  
 atgatagctt tccgaccacc accaacttca atttccttag ctgccgtaat attcagctcc 120  
 ctgagctgag ccttgaggct cgagttcatc tccagctcca gaagagcttg ggagatgccg 180  
 gactcgaact cgtccggctt ctgccattg ggccttcacga tcttggcgct cgaactgaac 240  
 atggcctttc cctgggagaa cttgccgagc gccggcttag gaagagacc aaatctcgcg 300  
 agagcacgtc aaaatccggc gtccgaaggc aagaggcgga aacagcgc 348

<210> 399  
 <211> 630  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(630)  
 <223> n = A,T,C or G

```

<400> 399
acatccaagt ttaaaattat cagcgaaatg gtccatgttt ttccaattac ctgctgacac      60
ggttctaagc taagtgaagg ggaagatctg agagcgtgct gtttgtggct gttgatgcac      120
attcgtgatg taacaggtcc tggggcctca ctttacccca tttgtaaaat ggggctaata      180
tcacctgcct cttacctacc tcagagggat ttggtgaagc aaactgttaa tcttcgaaaa      240
cgaccatttc acttcttgga tatcaagtgc taaccagta tgttcttctt ttttatgtaa      300
gggacagctt tctccacaga gtcctttctg ctggtgagga cagcatttct gagcagggct      360
ttgttctcta tgtgcattag gacttttctc atgcccttgg tctatgtgta gttacttgac      420
agcatcaaat gccggtctct cctaattgnc ttcaaggttt catgaactaa caacccccacc      480
tttcancatg ggtctggccc ctgaatttgc tngacttcc agaccacact gggtctacca      540
cctgaacagg cntttaaagt tcccaanggt cancttctt aattccttgg ttcccgggtg      600
atggggaact tggcctanaa aagggcncnc

```

<210> 400  
 <211> 619  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(619)  
 <223> n = A,T,C or G

```

<400> 400
actgaacagg taagtcaccc ctcagccaga gattagtcta cttcttccat gcgtgatgtg      60
tcgtcatctc cttcaagggg tggcatttct tcagttacag cagcactggg atcatcagca      120
gtagggatcat cttcatcaat acccagacca agtttgatca tctgttagat cctgttagca      180
tgtgtctggg gatcttccag actgaagcca gaagacagga gcgcagtttc ataaagcaag      240
atgaccagat ccttcacaga cttgtcgttc ttatcagcct ctgccttttg ccttaaggct      300
tcaataatgg aatggtcagg gtttatctcc aggtgtttct ttgctgccat gtaaccatt      360
gntgagttgc tcttagggct tgagctttca tgattcgctc catgnttgct gccagccata      420
tgtgcttggt acaatacagn atggagatgc accaatcggg tggacaaacc accttctact      480
ttttcttcca tangctttca gatttgcaaa gttctaaact ttgggttttc ccttctgntc      540
ttttcctttt atctttggaa gtccaggctt nttggggacg ncctaagctt ccctnaatct      600
ttagtggtga nnagncntn

```

<210> 401  
 <211> 663  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;222&gt; (1) ... (663)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 401

|             |             |            |             |            |            |     |
|-------------|-------------|------------|-------------|------------|------------|-----|
| cgagggtactt | gggcttcttt  | cagctgcttc | aacagagtgg  | cagcaacca  | gctggagtcc | 60  |
| aagccccctg  | ataaaaaggca | gccaatcctt | ctgtctgtca  | tcaaacgttt | ctttacagca | 120 |
| ttattaaaaa  | ggatcctgag  | gttggtcttc | acagtttcta  | tctcaaaacc | tggaaagagt | 180 |
| ttctccacat  | tgtcatagag  | ggcgtgcagg | ggttcatccc  | gacagtgatg | atatttaacc | 240 |
| atttccacgg  | atgcaacttt  | gccatttggc | tttaaatacca | aaacttcata | gtgtccagga | 300 |
| agaaaaggct  | ccacttttaa  | aaagggagtc | gcggagtgtc  | tcaatgtaac | aagaccttta | 360 |
| gcttctgaac  | atacagccaa  | aaatccatct | tctgcattgc  | tttaaacaaa | ggcttgactc | 420 |
| catatgtatc  | tctaccacag  | aacactttct | taatggcagt  | attcagttaa | accaatgcca | 480 |
| accaccatt   | ccacatacca  | aatgggttgc | tcaaatacctc | cttggcataa | agatgaaagg | 540 |
| ttatttnacc  | atncactttg  | gccgggattc | aaattccaaa  | agccggtgca | ttttntaan  | 600 |
| ggtgganaat  | tnncccttgn  | accnaanccc | caaataccggg | atthtntnc  | ctcnaatngn | 660 |
| tgg         |             |            |             |            |            | 663 |

&lt;210&gt; 402

&lt;211&gt; 673

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (673)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 402

|            |            |             |            |            |             |     |
|------------|------------|-------------|------------|------------|-------------|-----|
| ggtacgtgtc | cagctctgaa | gggcaaagt   | cagaagatcc | taatctggaa | gtgggggtcag | 60  |
| ccaccatctc | ccacaccagt | gcctcggcct  | ccagatgctg | atcccaacac | gccctcccca  | 120 |
| aagcccttgg | aggggcggcc | agagcggcag  | ttctttgtga | aatggcaagg | catgtcttac  | 180 |
| tggcactgct | cctgggtttc | tgaactgcag  | ctggagctgc | actgtcaggt | gatgttccga  | 240 |
| aactatcagc | ggaagaatga | tatggatgag  | ccaccttctg | gggacttttg | tggatgatgaa | 300 |
| gagaaaagcc | gaaagcgaaa | gaacaaggac  | cctaaatttg | cagagatgga | ggaacgcttc  | 360 |
| tatcgctatg | ggataaaacc | cgagtggatg  | atgatcaccg | aatcctnaac | cacagtgtgg  | 420 |
| accagaaggg | ccacgttcca | ctacttggat  | ccaagtggcn | ggacttacct | ttacgaatca  | 480 |
| nggcnttttt | ggaanaatga | aggttttnga  | aaatccagga | ataccnacct | ggtcaagcng  | 540 |
| ancttttttg | naatcccng  | ggagtttnatt | gaaggggtaa | aggaaggcnn | naccagcca   | 600 |
| agaaagcttt | aagaaagggg | naactttcgg  | aaattggaaa | aggccttcan | aacnccaacg  | 660 |
| gttggtccac | ngg        |             |            |            |             | 673 |

&lt;210&gt; 403

&lt;211&gt; 616

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (616)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 403

|            |            |            |            |            |            |    |
|------------|------------|------------|------------|------------|------------|----|
| ggtaccgatt | atatcatctc | agtcttgaat | ttactcacgc | tgattgttga | acagataaat | 60 |
|------------|------------|------------|------------|------------|------------|----|

|            |             |             |              |             |            |     |
|------------|-------------|-------------|--------------|-------------|------------|-----|
| acgaaactgc | catcatcatt  | tgtagaaaaa  | ctgtttatatac | catcatctaa  | actactattc | 120 |
| ttgcgttatc | ataaagaaaa  | agaggttggt  | gctgtagccc   | atgctgttta  | tcaagcaatg | 180 |
| ctcagcttga | agaatattcc  | tggtttggag  | actgcctata   | agttaattatt | gggagaaatg | 240 |
| acttgtgccc | taaacaacct  | cctgcacagt  | ctgcaacttc   | ctgaggcctg  | ttctgaaata | 300 |
| aaacatgagg | cttttaagaa  | tcatgtgttc  | aatgtagaca   | atgcaaaatt  | tgtagttaaa | 360 |
| tttgacctca | gtgccctgac  | tacaattgga  | aatgccaaaa   | actcgagtct  | ttaattgtaa | 420 |
| tggttttggg | ttatccacag  | ttaggccctt  | tctcaatata   | tatttatgna  | tttactggg  | 480 |
| catggcaaca | tggtgggaaa  | aatcaactgga | tgtaaccaa    | caggcctttt  | ttanaaatg  | 540 |
| ncnccgntta | accaaaanaaa | aaaaaaaaaa  | anaaagnttt   | gaccttccc   | ggngggcctt | 600 |
| taaaaggtna | attccn      |             |              |             |            | 616 |

<210> 404  
 <211> 613  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (613)  
 <223> n = A,T,C or G

|             |             |            |             |            |            |     |
|-------------|-------------|------------|-------------|------------|------------|-----|
| <400> 404   |             |            |             |            |            |     |
| cagtgtcggg  | cctaaaggag  | ataacattta | tgaatggaga  | tcaactatac | ttggtccacc | 60  |
| gggttctgta  | tatgaagggtg | gtgtgttttt | tctggatatac | acattttcat | cagattatcc | 120 |
| atttaagcca  | ccaaagggtta | ctttccgcac | cagaatctat  | cactgcaaca | tcaacagtc  | 180 |
| gggagtcatac | tgtctggaca  | tccttaaaga | caactggagt  | cccgtttga  | ctatttcaaa | 240 |
| ggttttgctg  | tctatttggt  | cccttttgac | agactgcaac  | cctgcggatc | ctctgggtgg | 300 |
| aagcatagcc  | actcagtatt  | tgaccaacag | agcagaacac  | gacaggatag | ccagacagt  | 360 |
| gaccaagaga  | tacgcaacat  | aattcacata | atttgtatgc  | agtgtgaang | agcagaaggc | 420 |
| atctttctcac | tgggctgcaa  | atcnttatag | cctttacaat  | ccggactttg | gggaaatggg | 480 |
| atacctggat  | ctactctggn  | tttanacctt | tgggacntng  | gaaanntccc | caaaaanggg | 540 |
| aaggctttca  | aangtaaaact | ttgaacctga | aaataagttt  | gttnaaacnc | ctattgcaag | 600 |
| tttgtttttt  | gga         |            |             |            |            | 613 |

<210> 405  
 <211> 605  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (605)  
 <223> n = A,T,C or G

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| <400> 405   |            |            |            |            |            |     |
| ggtactgagg  | tgtaaaggga | tttatatggg | gacgtaggcc | gatttccggg | tggtgtaggt | 60  |
| ttctcttttt  | caggcttata | ctcatgaatc | ttgtctgaag | cttttgagg  | cagactgcc  | 120 |
| agtcctggag  | aaatagtaga | tggaaggttt | gtgggttttt | tttttttaca | cgaatttgag | 180 |
| gaaaaccaaa  | tgaatttgat | agccaaattg | agacaatttc | agcaaatctg | taagcagttt | 240 |
| gtatgttttag | ttggggtaat | gaagtatttc | agttttgtga | atagatgacc | tggttttact | 300 |
| tcctcaccct  | gaattcgttt | tgtaaatgta | gagtttggt  | gtgtaactga | ggcggggggg | 360 |
| agttttcagt  | attttttttt | gtgggggtgg | gggcaaaata | tgttttcagt | tctttttccc | 420 |
| ttaaggtctg  | ctagaatcct | aaaggcaaat | gactcaaggt | gtaaccagaa | aaccagaaaa | 480 |

|             |            |            |             |            |            |     |
|-------------|------------|------------|-------------|------------|------------|-----|
| tccccattttc | nggatatnng | acccccccag | gttanccggtt | attnaacttt | naccnnttta | 540 |
| ccttttaggct | ttgggaaaaa | atttnccttg | gaaaaagggt  | tgggannacc | tttttttccc | 600 |
| cccc        |            |            |             |            |            | 605 |

<210> 406  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 406  |            |            |            |            |            |     |
| ggtactacct | gcggcctgtc | tcccagcagg | agtttgacaa | gaacaccttg | gatctcaggc | 60  |
| aacagaacgg | aactgcctca | tcacggaaga | ccctctggaa | tcaagaactc | tacatccagc | 120 |
| aggacaactc | agagaggaag | cggaaacacc | ttccagaccg | acaggatggg | cctgcagcca | 180 |
| agagtggaaa | agcagccccc | agaagtcagc | actgggttga | cagggacctg | cgtgtgcggt | 240 |
| ttgtggacaa | catgt      |            |            |            |            | 255 |

<210> 407  
 <211> 601  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(601)  
 <223> n = A,T,C or G

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| <400> 407   |            |            |            |            |            |     |
| ggtttttttt  | ttaagaggaa | aaccoggtaa | tgatgtcggg | gttgagggat | aggaggagaa | 60  |
| tgggggatag  | gtgtatgaac | atgaggggtg | tttctcgtgt | gaatgaggg  | tttatgttgt | 120 |
| taatgtgggtg | ggtgagttag | cccnattgtg | ttgtggtaaa | tatgtagagg | gagtataggg | 180 |
| ctgtgactag  | tatgttgagt | cctgtaagta | ngagagtgat | atttgatcag | gagaacgtgg | 240 |
| ttactagcac  | agagagttct | nccagtaggt | taatagtggg | gggtaaggcg | aggttagcga | 300 |
| ggcttgctag  | aagtcntcat | aaagctatta | gtggnaagta | gagtttgaag | ccttgaaaag | 360 |
| aggatatgat  | nccactntga | gtgcgttcgg | tgtttgagtt | ngctaggcag | aatattantn | 420 |
| atgatgtaag  | cccgtggcca | ttatgagant | gactgccttg | ttaagnttna | ngggggttgg | 480 |
| atgangaatg  | gctngtaact | actaaggcct | atgntggctg | gttnaanagn | ttcnatntnc | 540 |
| nnantttann  | tcttgcttgt | ctatgcagaa | tnganctgnt | attnatattg | ctcacnangg | 600 |
| g           |            |            |            |            |            | 601 |

<210> 408  
 <211> 630  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(630)  
 <223> n = A,T,C or G

|             |            |             |            |            |            |     |
|-------------|------------|-------------|------------|------------|------------|-----|
| <400> 408   |            |             |            |            |            |     |
| ggtacaaaag  | gagtcctcag | cttgaagagg  | ttatgtaact | tgccctaagg | cacacagtta | 60  |
| agtggcagaa  | atgagataca | aaccaaaagtc | tgtctaactc | cagagttcac | accatcatgt | 120 |
| tatagtgccca | tcttcgtaca | ttgagctcca  | tagagacagc | gccggggcaa | gtgagagccg | 180 |



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|             |            |            |            |             |            |     |
|-------------|------------|------------|------------|-------------|------------|-----|
| gacggggcact | gggcgactct | gtgcctcgct | gaggaaaaat | aactaaacat  | gggcaaagga | 240 |
| gacctaaga   | agccgagagg | caaaaatgtc | atcatatgca | ttttttgtgc  | aaacttgctg | 300 |
| ggaggagcat  | aagaagaagc | acccagatgc | ttnagtcaac | ttctnagagt  | ttctaagaaa | 360 |
| gtgctcanta  | gaggtggaaa | gaccatgttt | gcttaaagag | anaggaaaat  | ttnaagatat | 420 |
| tggcaaagcg  | gacaaaggnc | cgttttgaaa | gangaaatga | naacctatat  | cccttccaaa | 480 |
| gggggagacc  | caaanagaag | tttcaaggat | nccaatggca | ccccaaagaag | gcntncttng | 540 |
| gccttcttnc  | tcttctgctc | ntgagtattc | ggcccaaaat | tcaaagggag  | aacatcttng | 600 |
| gcctggccat  | tggtgatgtt | ggcaaaaaag |            |             |            | 630 |

&lt;210&gt; 409

&lt;211&gt; 614

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(614)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 409

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| cgaggtaccg | ggatgcagca | gtgatggctt  | ttggttgtat | cttggaagga | ccagagccca | 60  |
| gtcagctcaa | accactagtt | atacaggcta  | tgcccaccct | aatagaatta | atgaaagacc | 120 |
| ccagtgtagt | tggtcgagat | acagctgcat  | ggactgtagg | cagaatttgt | gagctgcttc | 180 |
| ctgaagctgc | catcaatgat | gtctacttgg  | ctccccgtct | acagtgtctg | attgagggtc | 240 |
| tcagtgtctg | acccagagtg | gcttcaaattg | tgtgctgggc | tttctccagt | ctggctgaag | 300 |
| ctgcttatga | agctgcagac | gttgctgatg  | atcaggaaga | accagctact | tactgcttat | 360 |
| cttcttcatt | tgaactcata | agttcagaag  | ctcctagaga | ctacagacag | acctgatgga | 420 |
| caccagaaca | acctgaggag | ttctgcatat  | gaatctctga | tggaaattgt | gaaaaacagt | 480 |
| gnccaaggat | tggtaatcct | gctgnnccag  | aaaaacgact | tttggncatc | atgggaacga | 540 |
| ctggcacang | gtcttcaana | tggagtcnca  | tatccgagcc | cattccattg | gaatnccgtt | 600 |
| caangacttn | ntct       |             |            |            |            | 614 |

&lt;210&gt; 410

&lt;211&gt; 611

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(611)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 410

|            |            |             |             |             |            |     |
|------------|------------|-------------|-------------|-------------|------------|-----|
| cgaggtaccc | atgttatgct | ttcacctctc  | accccaatgg  | agtcacacag  | gcctgagttt | 60  |
| gaacagttaa | cacagcttgg | aagggaacaca | tgccctgattc | ccatccttgg  | agaacaatat | 120 |
| catgctatga | ggagtaggaa | gggcaagaga  | tatgaaaaga  | acagaggaaa  | tgtggttcct | 180 |
| agaagtcaga | aggcatcaag | ggtccatcag  | tgtagaagtg  | gctggggcgg  | gagacgtaaa | 240 |
| cctcatccac | ggtgttctgg | ccagccaaca  | gtgggtcacc  | attcggcatg  | atttcttcaa | 300 |
| tctttacaca | gtttctgaag | atttccattg  | gctcagtggt  | caaattgtctc | agatcacagg | 360 |
| gcaaactctg | ctctggcact | ggctgtgata  | caggtccttg  | gtctggctct  | ggcactgntt | 420 |
| gtgataccca | tgcatagtgt | gggtctctatc | acangctcca  | gagtggactt  | cagcacagac | 480 |
| tctagctttt | ggccccagaa | tccagccttg  | nctttaacca  | gtggctntta  | atncaggctg | 540 |
| acctctggct | ntggcaccag | ncctagtcca  | gcttntaang  | ctccantttt  | gcntngggtt | 600 |

aagctccacn g

611

<210> 411  
 <211> 590  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(590)  
 <223> n = A,T,C or G

<400> 411  
 ggtacccttg tctttaaag gattccccct tataaggact cttcaagtaa atccacacat 60  
 atatagtcaa ctaatttttg acaaagacac caagaatata caatggggaa aggatagtgt 120  
 cttcaataaa cagtattgga aatactggat atccacatgc aaaagaatga aattggatga 180  
 aatatgggtga aattatttta caccgtaccg gctccccaac gtgcacggca ggagctacgg 240  
 cccagcgccg ggcgctggcc acgtgcagaa atggagtttc atcatgttgt cctctcgaac 300  
 tcttgacctc aagtgatcca cccgcctcgc ccttccaaag tgctgagatt acaggaagag 360  
 tctaacctgt ctctgcaagc tcttgagtcc cgccaagatg atattttaaa acgtctgtat 420  
 gagttgaaag ctgcagttga tggcctctcc aagatgattc aaaccagat gcagacttgg 480  
 atgtaaccaa cataatccaa gcggatgagc ccacgacttt aaccaccaat gcgctggact 540  
 ttgaattcag tgcttgggaa ggatacgggc gctnaaagac atcggaacan 590

<210> 412  
 <211> 609  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(609)  
 <223> n = A,T,C or G

<400> 412  
 ggtacagaag atgctgtgga ctattcagac atcaatgagg tggcagaaga tgaaagccga 60  
 agataccagc agacgatggg gagcttgacg cccctttgcc actcagatta tgatgaagat 120  
 gactatgatg ctgattgtga agacattgat tgcaagttga tgccctctcc acctccaccc 180  
 ccgggaccaa tgaagaagga taaggaccag gattctatta ctggtgtgtc tgaaaatgga 240  
 gaaggcatca tcttgccctc catcattgcc ccttcctctt tggcctcaga gaaagtggac 300  
 ttcagtagtt cctctgactc agaactctgag atgggacctc aggaagcaac acaggcagaa 360  
 tctgaagatg gaaagctgac ccttcatttg gctgggatta tgcagcatga tgccaccaag 420  
 ctggttgccaa gtgtcacaga acttttttnc gaatttttca cctggaaagg tgttaccggt 480  
 tttctacgtc tttttggacc agggaagaat gtncatctcg gtttggcgga ntgctcgaan 540  
 aaagaggaag aagaagcncc gggagctgat ccaggaagaa cnatcccgg aagtggagtn 600  
 gctcantna 609

<210> 413  
 <211> 420  
 <212> DNA  
 <213> Homo sapiens

<400> 413

|            |             |            |             |            |            |     |
|------------|-------------|------------|-------------|------------|------------|-----|
| ggtaccgcca | catcgctgac  | tgggctggca | actctgaagt  | catcctgcc  | gtcccggcgt | 60  |
| tcaatgtcat | caatggcggt  | tctcatgctg | gcaacaagct  | ggccatgcag | gagttcatga | 120 |
| tcttcccagt | cgggtgcagca | aacttcaggg | aagccatgcg  | cattggagca | gaggtttacc | 180 |
| acaacctgaa | gaatgtcatc  | aaggagaaat | atgggaaaaga | tgccaccaat | gtgggggatg | 240 |
| aaggcggtt  | tgtcccaac   | atcctggaga | ataaagaagg  | cctggagctg | ctgaagactg | 300 |
| ctattgggaa | agctggctac  | actgataagg | tggtcacg    | catggacgta | gcggcctccg | 360 |
| agttcttcag | gtctgggaag  | tatgacctgg | acttcaagtc  | tcccgatgac | cccagcaggt | 420 |

<210> 414  
 <211> 621  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(621)  
 <223> n = A,T,C or G

|            |            |             |            |              |             |     |
|------------|------------|-------------|------------|--------------|-------------|-----|
| <400> 414  |            |             |            |              |             |     |
| acatagtttt | atagtagcca | cagtaacttc  | cagtgactgg | caaatttctt   | tgcatacagct | 60  |
| ggcatgtgtg | gtgaatggaa | ttcccatgaa  | cagctcttac | atccttccgc   | tttcttctta  | 120 |
| caggcctcgg | tcttgtttcc | aaagggtgact | gcagtgagga | tgttaagggtcc | atgacctcta  | 180 |
| gggataatgc | catccactca | ggaagaaaaga | tgctgagaaa | ctctagggat   | atctaagttt  | 240 |
| acatcacagg | gggagaatca | attgtggagg  | ttttaagaag | acatttgaat   | ttttgcccct  | 300 |
| aatcaagaag | tgttttgcca | tctggtttac  | attcaataac | tagttggctc   | atcatttgca  | 360 |
| gaaataaact | ttcctctaga | ttaggaaact  | tcatcatgag | atctgagata   | tactggtttg  | 420 |
| gaaaggttnc | tcagttctct | tggctttcna  | agtccecggc | cttggaaatgg  | ggtnaaggcc  | 480 |
| cattggangc | ncattnaatt | ggccttgggg  | taaaggaaac | tttggantgg   | cgnccaaatt  | 540 |
| nnaaccggg  | tgggccattn | nttttnacnc  | ggtaaattaa | ggntgggccc   | cggaaaattt  | 600 |
| ggttttccgg | aananntttn | g           |            |              |             | 621 |

<210> 415  
 <211> 619  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(619)  
 <223> n = A,T,C or G

|            |            |             |            |             |             |     |
|------------|------------|-------------|------------|-------------|-------------|-----|
| <400> 415  |            |             |            |             |             |     |
| acaagctttt | ttttttnttt | tttttttttt  | tttttttaaa | gatcaacaaa  | cattttatta  | 60  |
| attctgattc | cttttatcat | gtgctttttt  | atacaaagca | ctttnaaatn  | cattacatta  | 120 |
| tcttaaatat | ataataggag | tttctttcgg  | attcagttta | aaaatgacaa  | atagcattcg  | 180 |
| ttgcgcccac | gttagaatta | cacccaaaatt | accatgngct | ggcacatacc  | atcatcccac  | 240 |
| tggtggctgg | aaaactgggt | tgcaggagtg  | tctgcactga | gatgggccac  | caccccgctg  | 300 |
| gccatatagg | tatagatgag | ggaaggatgg  | actanaanca | agctgggctt  | tcngggctcg  | 360 |
| ctatantcct | ttttcacttc | attccgtttt  | ccccattgng | cnttgaaccc  | aggggaatctn | 420 |
| nttgacccat | ccttggagct | nttaaaaagg  | acctgngttt | aagggtgccnc | cntttgaaaa  | 480 |
| ggggccccct | ttgnatnaan | tgggccgttg  | aaaaaggccc | tttngatttg  | gancccaang  | 540 |
| acngggaaat | ttcacttngg | cattaacnan  | tgtcnccgaa | atnttcnctn  | ngntatgaac  | 600 |
| tttantaana | tngnttngn  |             |            |             |             | 619 |

<210> 416  
 <211> 611  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(611)  
 <223> n = A,T,C or G

```

<400> 416
ggtacactaa ggtatgagct gaagcttttag gttctccgtg cttccctcaa gacctccttc      60
ttgctaacag aagcagtagg caattgctgc agtgcgtttc tcaccctgcc aataggtctg      120
tctgtatctc tgtaaggaa aatagcctgg tccctcctgg cagtgttggt aagcttgatg      180
ctaattttta tatagcgtgg caagctgacc agcagtgccg ggccttgatc tgtattctgc      240
actatccctt tacttggttc ctggcactga atggctctcca gccctgaaga atcacgtgtg      300
atcacagcag ctgacctggg ctttctcccc gagaggaaagg ggcattgtcat ttttatttga      360
cagagggaaa atgggaaactg ccttgactgc ctttgntgng ctttcccgcg taagaaagca      420
ctgngtttaa actgtgcaat acactngctt tgccatngat gtaaattgtaa gaaaatccct      480
anctttaaaa cctantgggt tgaacnttat tatatnaaan actttttaac ctattnnngna      540
attingggnc cttgccggta agntttnggg ggggnaaach ngttncaaaa ggaaagggtcc      600
tttaactttt g                                     611
  
```

<210> 417  
 <211> 609  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(609)  
 <223> n = A,T,C or G

```

<400> 417
caggtagtga gacatcacat tactggccag tgttggtcaaa gaaactgccg caaacacccat      60
gagaaggcag gcaattttat actcttcttc tggactaatg ttttccgatt tttgtgaaga      120
aagagctacg accaatgcag gatcaatctc acaaggtaat ccggcagctg atgataactc      180
atacacattc attgcaacct tcatatcagt ttcccttgga atgtgatcct taaaatcttc      240
aattgaactt acaagaaaaa gaatgtggta ggataacaca tctctaagtg cttcttgtgc      300
caatgatcgg aaggataaaa ttacaccaat tattgtcatc ctcttcaaga cactgtcaac      360
agatgataat ctttttaaaca gtgcagccat ctggctctgg ttgtcaaagc tggctctcat      420
ttgtgttaac acatcaacat tctccaccac aagtttctta agttcaagca accttgtgat      480
gaaatatgcc acataaggct ttcacttaga aacntcatat catatgggac taataagtct      540
ggataatgac ctcatctctg natgggtcaga atattcntnt gcattggaan gtaaatcaat      600
ttctggagg                                     609
  
```

<210> 418  
 <211> 643  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1)...(643)  
 <223> n = A,T,C or G

<400> 418  
 ggtactcccg attgaagccc ccattcgtat aataattaca tcacaagacg tcttgactc 60  
 atgagctgtc cccacattag gcttaaaaaac agatgcaatt cccggacgtc taaaccaaac 120  
 cactttcacc gctacacgac cgggggtata ctacgggtcaa tgctctgaaa tctgngggagc 180  
 aaaccacagt ttcattgccc tegtccctaga attaatccc ctaaaaatct ttgaaatagg 240  
 gcccgtatatt accctatagc acccncctcta cccctctag agcccactgt aaagctaact 300  
 taggcattaa cctttttaagt taaagattaa gagaaccaac acctctttac agngaaatgc 360  
 cncaactata tactaccggt atggcccacc atanttacct ccnatactnc ctacactatt 420  
 tncctatnaa cncancctna naatattaat ctcataatta ccagctanct ttncttaacc 480  
 aatgncnat tanaaattaa anntattatn taccatactc cntgtntnctn nnataatgta 540  
 nngnananat tggnttcggc ttcaatttat nnggtcccaa aaatgcctan gcttaactcn 600  
 gnactngtnc gggcggcncg ttngnaaagg ggctgaaatt cng 643

<210> 419  
 <211> 607  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(607)  
 <223> n = A,T,C or G

<400> 419  
 accagaatat ggacacattc caagctttct tgtcgatgct tgcacatctt tagaagacca 60  
 tattcatacc gaagggtctt ttcggaaatc aggatctgtg attcgccctaa aagcactaaa 120  
 gaataaagtg gatcatggtg aagggttgctt atcttctgca cctccttggtg atattgcggg 180  
 acttcttaag cagtttttta gggaaactgcc agagcccatt ctcccagctg atttgcatga 240  
 agcacttttg aaagctcaac agttaggcac agaggaaaag aataaaagcta cactgttgct 300  
 ctectgtctt ctggctgacc acacagttca tgtattaaga tcttctttaa ctttctcagg 360  
 aatgtttctc ttagatccag tgagaataag atggacagca gcaatcttgc agtaatat 420  
 gcaccgaatc ttcttttagaa caagtgaagg cntgaaaag atgcttntac ccccggaaaa 480  
 gaagcttcca atacnggntt gaanaagnac cttgggcggg aacacnctta nggnggaaat 540  
 tcngnccact tggnggccgt actaangggg nccaacttng gnccaacttt ggggaaacan 600  
 ggcanaa 607

<210> 420  
 <211> 494  
 <212> DNA  
 <213> Homo sapiens

<400> 420  
 ggtacatgag aacatatatt tattgcatga ttttctagat acacagtcta tgcattattc 60  
 atatacatatt atttttagcct aaagtgggtt tcaaattccag ttcttcaagc cataaatgac 120  
 caagatccaa gcaatctgaa tttgtttttg tgattatttg actggaatgc ttcttaagt 180  
 gaataactat actccgttat ccacccgatt tcctaattgta attgaaagat tttctatatt 240  
 gccacacact tggagacaat aagggttttt agttttatct actcttctat tgaagttaaa 300  
 gaaagaaaaa aagatttttt tatttgtatt aatgaaaagc tttagtttaa aataaggaga 360  
 tccagaataa aaagaagaga ctgatctctt caattattgt catctgtagc caccagcaca 420

tcactcttat gtaatcecca aaggcttgge atgccgtaag tgtgtggtgg ggtagactgc 480  
tgccggggaa tcgt 494

<210> 421  
<211> 366  
<212> DNA  
<213> Homo sapiens

<400> 421  
ggtaccaagg ttattgatca agtcagcctt ggtcattcca attccagtat ccacaatagt 60  
gagagttcga tcttgtttgt tcggtataag gttaatatgc agctctttcc cagagtctaa 120  
tttactggga tctgtcaagc ttccataccg gattttgtcc aatgcacatg atgaatttga 180  
aatgagctct ctcagaaaaga tctctttgtt cgagtagaaa gtattgatga tcaatgacat 240  
caactgggca atttctgect gaaaggcgaa cgtctcaacc tctctctcct ccatcggttg 300  
gtcttgggtc tgggtttcct caggcatctt ggctaagtga ccgcacagga ccaacggcac 360  
agccac 366

<210> 422  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(418)  
<223> n = A,T,C or G

<400> 422  
ggtacaagag tgtttcacga aatccgtttt taaaatgaac atctctgtgt gccacagttc 60  
ctaggactgg ggcaaggaca cagtgtcaag tcttgttttg aggatgagtc tctgaagaga 120  
cagaattcct gccagaatgc gcacagaaca taagtcagcc aagtgtgtcg tgccagggat 180  
actttgactt tgggtttgctg ctgctgctag ggatattggg agggttatcc ttccagggtt 240  
gtaggagagg gttgtgggta aaggtctgtc gttaaaggacc cctggctgct agctccaact 300  
gattccgcat gcgttgttca cgtctcnca gctgacgccg tcatttcage atttttccag 360  
ccttttttga aagctctcta ggaagccttt ccgtggaggt aatttgtcca ggtcatgt 418

<210> 423  
<211> 374  
<212> DNA  
<213> Homo sapiens

<400> 423  
ggtctattct gcataatagag aactgagggc tttccctgag aaacagttga gttgtgttgc 60  
caaccagaat ggctcgcaag ctgactgtga gctcggaat ccttttataaa gaaattcaaa 120  
tgtcactttt tatttggttt taagtacacc tgattttcat gacaaatacg gtaatgctgt 180  
attagctagt ggagccactt tctgtattgt tacatggaca tatgtagcaa cacaagtcgg 240  
aatagaatgg aacctgtccc ctggtggcag agttacccca aaggaatgga ggaatcaagt 300  
aatcatccca actggtgtaa taatgaattg tttaaaaaac agctcataat tgatgccaaa 360  
ttaagcact gtgt 374

<210> 424  
<211> 610  
<212> DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(610)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 424

|            |             |             |             |            |             |     |
|------------|-------------|-------------|-------------|------------|-------------|-----|
| ggcggagctt | gaggaaaccg  | cagataagtt  | tttttctctt  | tgaaagatag | agattaatac  | 60  |
| aactacttaa | aaaatatagt  | caatagggtta | ctaagatatt  | gcttagcggt | aagtttttaa  | 120 |
| cgtaatttta | atagcttaag  | attttaagag  | aaaatatgaa  | gacttagaag | agtagcatga  | 180 |
| ggaaggaaaa | gataaaaggt  | ttctaaaaca  | tgacggaggt  | tgagatgaag | cttcttcattg | 240 |
| gagtaaaaaa | tgtatttaaa  | agaaaaattga | gagaaaggac  | tacagagccc | cgaattaata  | 300 |
| ccaatagaag | ggcaatgctt  | ttagattaaa  | atgaagggtga | cttaaacagc | ttaaagttta  | 360 |
| gtttaaaagt | tgtagggtgat | taaaataatt  | tgaaggcgat  | cttttaaaaa | gagattaaac  | 420 |
| ccgaagggtg | attaaaagac  | cttgaaatcc  | atgaccgcag  | ggagaattgc | gtcattttaa  | 480 |
| gcctagttaa | cgcatttcct  | aaaccccgaa  | ccaaaaatgg  | ggaaggatta | attgggagtg  | 540 |
| gtaggatgaa | ccaanttggt  | ngaagatgaa  | gttggaagtg  | gaaactggaa | aaccgaaaagt | 600 |
| ncctcggcc  |             |             |             |            |             | 610 |

&lt;210&gt; 425

&lt;211&gt; 368

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 425

|            |            |             |             |            |            |     |
|------------|------------|-------------|-------------|------------|------------|-----|
| ggtataagtt | cagagagaaa | gattccttcc  | caagggtcatg | cagctagtaa | atgatagaat | 60  |
| caggattcat | agcatcacta | taggggggtca | atatttacac  | aaaaaaggaa | agtcacaagc | 120 |
| ctgtttaaaa | tgaagtgacc | accttttctt  | gcatagacta  | aataactcga | actggcattt | 180 |
| ttagggttga | aagacagctg | aattagtagt  | taagtctgat  | agccaagtaa | gttttaaaaa | 240 |
| ccaaagcatc | caggatgcac | acccttgcac  | catttctgtg  | gcgaattaat | agttctgtct | 300 |
| ctctctctct | ttcttttttc | tttttattct  | ttgagatgga  | ttttcgctct | tgtcgcccag | 360 |
| gctggagt   |            |             |             |            |            | 368 |

&lt;210&gt; 426

&lt;211&gt; 630

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(630)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 426

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| actaccacag | cctttaagt  | acattgattt | ataacttggg | cacaattcac | tgcatttagg  | 60  |
| aaaaccagca | ttcttatctg | gtcagtgtct | gcttcttagc | aaccctaat  | taaatttaaat | 120 |
| tcactcttaa | atcttagctt | caactttatt | caattacatt | tggtgacgg  | ctgttttcta  | 180 |
| aaacccttaa | gtgttgacca | taaatgcaaa | acttccagta | tctgttgggt | tttattagca  | 240 |
| gatgctgctt | ttatttaaaa | aaaaccgaca | gtataactgt | cataattatg | gaaggcactg  | 300 |
| cttccgataa | ttatattcta | ttaaaaaac  | accatttata | gtgaactctg | tcactgataa  | 360 |
| ataaacaata | aatatctcag | tgccaaaagg | acagaaagct | ctcccctaag | attaacactt  | 420 |
| tggccaaaat | ttggtagcat | attattcttt | aaagtctgac | aaactgagtc | tgcaactaaa  | 480 |

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| cacctgaaac | tgggtctcttt | caatgggctt | tggaagaacc | aaaataccaa | gaactaaatg | 540 |
| gaggcttatg | ggggaagggn  | cgaggaaata | aatatctaag | cnttggcttc | tggccctctt | 600 |
| tcataaannc | ctgaggtaca  | tattangctn |            |            |            | 630 |

&lt;210&gt; 427

&lt;211&gt; 224

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 427

|            |             |            |             |            |             |     |
|------------|-------------|------------|-------------|------------|-------------|-----|
| ggtgggaggg | tgggtgtccac | tgcccagttc | cggtgtcccga | tgcccagcgc | cagcgcgcagc | 60  |
| cgcaagagtc | aggagaagcc  | gcgggagatc | atggacgcgg  | cggaagatta | tgctaaagag  | 120 |
| agatatggaa | tatcttcaat  | gatacaatca | caagaaaaac  | cagatcgagt | tttgggtcgg  | 180 |
| gttagagact | tgacaatata  | aaaagctgat | gaagttgttt  | gggt       |             | 224 |

&lt;210&gt; 428

&lt;211&gt; 543

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(543)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 428

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| ggacgctctc | agctctcggc | gcacggccca  | gcttccttca | aatgtctac  | tgttcacgaa | 60  |
| atcctgtgca | agctcagctt | ggaggggtgat | cactctacac | ccccagtg   | atatgggtct | 120 |
| gtcaaaagct | atactaactt | tgatgctgag  | cgggatgctt | tgaacattga | aacagccatc | 180 |
| aagaccaaag | gtgtggatga | ggtcaccatt  | gtcaacattt | tgaccaaccg | cagcaatgca | 240 |
| cagagacagg | atattgcctt | cgcctaccag  | agaaggacca | aaaaggaact | tgcatcagca | 300 |
| ctgaagtcag | ccttatctgg | ccacctggag  | acggtgattt | tgggcctatt | gaagacacct | 360 |
| gctcaagtat | gacgcttctg | agctaaaagc  | ttccatgaag | gggctgggga | accgacgagg | 420 |
| actctctcat | tgagancatc | tgnttcagaa  | cccaaccag  | gaagctgcan | ggaaantaac | 480 |
| cagagtctac | caagggaat  | gtaccctnng  | gnccgngaac | cacgcttaan | gggcgaaatt | 540 |
| cca        |            |             |            |            |            | 543 |

&lt;210&gt; 429

&lt;211&gt; 346

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 429

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| actatctttt | cattcagtc  | cttaagcagc | ttactcttca | atgccaaaca  | aactttattt | 60  |
| tttaaatagt | cttaaaagtg | cttaagggag | ttctgggtcc | tcttttttagc | ctgcacagtt | 120 |
| taagatcaat | ggtaaaggta | ggaaataatc | ataagggcac | tggaagaagg  | aatgagtcta | 180 |
| aataatgtat | aatgactgtt | ccgccatacc | aattttgtca | tggtgattat  | tcactaattt | 240 |
| tataggagag | tgtattgaga | tctgctacag | cttcttggat | ctttgaagca  | ctgctgaatt | 300 |
| acatacacia | agcagagcag | atgtcagcac | ctgattaatc | agtacc      |            | 346 |

&lt;210&gt; 430

&lt;211&gt; 605

&lt;212&gt; DNA



&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(605)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 430

|            |             |             |            |            |            |     |
|------------|-------------|-------------|------------|------------|------------|-----|
| ggtggcgcg  | ccgaggtaca  | gctgggtgctt | ctgccttacc | ccatcctctc | ctctcagatt | 60  |
| caccgaggac | tggttcaggtg | gtaacattct  | cttagggtag | ggaactctgc | agagggagag | 120 |
| ctgaggaggt | tccggccata  | gttggttgta  | atcttagggc | tctgggcttg | gctgaaacat | 180 |
| gacggtattg | cttggtttca  | ggcttgacac  | tgccaggcgc | ctattgcttg | acctctgttt | 240 |
| aaatgagggg | cttcaagact  | agacagcatg  | gctcttttca | gtttattgca | tgaaggagtt | 300 |
| acactagtcc | aagttaaaag  | cggaccccaa  | atgggtacat | tatacaagct | gtgagggttt | 360 |
| taaacctgtg | acaagggaga  | gaaggggaaat | tctactcatt | gcaaggaaat | cctcacttaa | 420 |
| gcttcagtga | gccacaagca  | cttaaaaccc  | atgaaccttc | agctgatcgt | ccttagccag | 480 |
| tccaatctct | acgaggaact  | ggcatatgtc  | ttgcgttggc | accctgtagc | tgaattactt | 540 |
| ctcatattcn | gatgctaatt  | ncagacctgn  | ccggcggcgc | tcaaaggcna | atccacnact | 600 |
| gnngn      |             |             |            |            |            | 605 |

&lt;210&gt; 431

&lt;211&gt; 430

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(430)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 431

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| acactaccaa | cagatcaaa  | aaacccctcc | ggccagtga  | aaagacaaaa | ctgctaaggc | 60  |
| caaggtccaa | cagactcctg | atggatccca | gcagagtcca | gatggcacac | agcttccgtc | 120 |
| tggacacccc | ttgcctgcca | caagccaggg | cactgcaagc | aaatgccctt | tcttggcagc | 180 |
| acagatgaat | cagagaggca | gcagtgtctt | ctgcaaagcc | agtcttgagc | ttcaggagga | 240 |
| tgtgcaggaa | atgaatgccg | tgaggaaaga | ggttgctgaa | acctcagcag | gccccagtgt | 300 |
| ggttagtgtg | aaaaccgatg | gaggggatcc | cagtggactg | ctgaagaact | tccaggacat | 360 |
| tatgcaaaag | caaagaccaa | aaaanaaann | nnaaaaaaaa | aagcttgtac | ctnggccgng | 420 |
| accacgctaa |            |            |            |            |            | 430 |

&lt;210&gt; 432

&lt;211&gt; 479

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(479)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 432

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| acaagctttt | tttttttttt | tttttttttt | ttggaacgta | ggctttctct | tgtctttatt | 60  |
| ctggggagga | ggaatcctcc | tcacatcttt | cctcatcttc | atcattgaac | gaacaggggg | 120 |

|             |             |            |            |             |            |     |
|-------------|-------------|------------|------------|-------------|------------|-----|
| tctcgccctcg | ggactcggag  | cagtgagag  | ccgcactgct | ggactgggtga | ctgtttgggg | 180 |
| ccaggaactg  | cccagttgct  | aaggccactt | ctgcatccaa | gcataaccct  | tggtttacac | 240 |
| ttgactgggg  | taagggtggca | ccagtggtca | ggtctaaatt | tgaaactgat  | tgggtagaag | 300 |
| ttcagaagta  | gtccctgatt  | taaccaagaa | ggtcctgtgg | agatatctgn  | gatataacct | 360 |
| tctaaagcct  | ttggcaccag  | ggatttcgca | agttttcaan | atcctccaga  | gagcatttgc | 420 |
| ctgacttcag  | gcnaaacgac  | attcccatnc | gctttangac | cttgggcgng  | accacgcta  | 479 |

<210> 433  
 <211> 600  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(600)  
 <223> n = A,T,C or G

|            |            |             |             |            |            |     |
|------------|------------|-------------|-------------|------------|------------|-----|
| <400> 433  |            |             |             |            |            | 60  |
| ggtaccaaac | aataccaccg | accaggagct  | gcaacacatt  | cgcaacagcc | tcccagacac | 60  |
| agtgcggatt | aggcgggtgg | aggagcgggt  | ctcagccttg  | ggcaatgtca | ccacctgcaa | 120 |
| tgactacgtg | gccttggtcc | accagactt   | ggacagggag  | acagaagaaa | ttctggcaga | 180 |
| tgtgctcaag | gtggaagtct | tcagacagac  | agtggccgac  | caggtgctag | taggaagcta | 240 |
| ctgtgtcttc | agcaatcagg | gagggtctgt  | gcatcccaag  | acttcaattg | aagaccagga | 300 |
| tgagctgtcc | tctctctctc | aagtccccct  | tgtggcgggg  | actgtgaacc | gaggcagtga | 360 |
| ggtgattgct | gctgggatgg | tggatgaatga | ctgggtgtgcc | ttctgtggcc | tggacacaac | 420 |
| cagcacagag | ctgtcagtg  | tggagagtgt  | cttcaagctg  | aatgaagccc | agcctagcac | 480 |
| cattgccacc | agcatgcggg | attccctcat  | tgacagcctc  | acctgagtca | ccttccaagt | 540 |
| tgttccatgg | gctcctggct | ctggactgtg  | gccaaccttc  | tncacattcc | gccaatctgt | 600 |

<210> 434  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 434  |            |            |            |            |            | 60  |
| ggtaccaacg | cgctaagaaa | tcagctccaa | ttcgaagtgc | acctgttccc | cccaaagatt | 60  |
| gcacacctcc | taccgccttc | tccttgagtg | ctgggctgtc | atccccagg  | gcaagacgag | 120 |
| aagcacagct | ccggaactca | gccaggccca | ggattggcag | atactcgtga | tttaggctat | 180 |
| tgctattagc | aatcttctgc | tccactttct | tcactactgg | caaaacccag | ggatggcagt | 240 |
| catcctgctg | atatgctccc | actcccaggt | tgaccttgcg | ggggtcggga | tcctccctga | 300 |
| agtcggcagt | gagcttgaag | accaggacag | gctgggcctg | cggaaacctg | gcaaagactg | 360 |
| acggaggtgc | catatcgaga | gactaggaat | caagagattt | caccccacgc | ccggagc    | 417 |

<210> 435  
 <211> 672  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(672)  
 <223> n = A,T,C or G

<400> 435  
 ggcagagaac gatgtggaca atgagctctt ggactatgaa gatgatgagg tggagacagc 60  
 agctggggga gatggggctg agggccctgc caagaaggat gtcaagggct cctatgtctc 120  
 catccacagc tctggctttc gtgacttcct gctcaagcca gagttgctcc gggccattgt 180  
 cgactgtggc tttgagcatc cgtcagaagt ccggcatgag tgcacccctc agggcattct 240  
 gggaatggat gtccgtgtgc aggccaaagtc gggcatggga aagacagcag tgtttgtctt 300  
 ggccacactg caacagctgg agccagttac tgggcagggt tctgtgctgg tgatgtgtca 360  
 cactcgggag ttggcttttc aagatcagna aggaatatga gcgcttcttt taatacatgc 420  
 ccaatgtcaa aggttgctgg tttttttggt gggctggcta tcaagaaagg atgaagaagg 480  
 tgctgaanaa anaactgccc natattcgtc ctgggggact tcaagcccg atnctaanc 540  
 tggtctcgaa ataagancct taancttaaa cncataaaca ctttatttgg atgaatgn 600  
 taanancttg aacagtnagc atncttcgga tgtcnggaaa ttttncnatg acccccana 660  
 annngcntgn tt 672

<210> 436  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<400> 436  
 ggtacaagct tttttttttt tttttttttt ttttttataa aagcatttta ttgaacacat 60  
 tctggaggta agttagaacc aaaacaaaat ttgggattgg ggtggggatt ctgttttgat 120  
 gatttagatt tgggaaaact ttggattctc gtgtcagcag gggccatgct gtgggaaacc 180  
 tgaaggctga tttgaagcag aatatagaac tgcggcacgg gagaccagg gctgggaatg 240  
 gggctctcct gggaaccaaa gaatgtggt ctgcaattgg cttggtctag actactctcc 300  
 agaaaaggat aaaacatggc ttgagcaact gcctagaaga ggcaatctcc atgggctggg 360  
 ttgctgcact tgggaaggcag tgacttgacag caggttctta gctcttgaag ctcttccggg 420  
 aggaggaggt ggtggagaca aatttgacgc tggggctgct acccccgcc 469

<210> 437  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<400> 437  
 actgaggcat cttcttcagc atctgggaca ggtcccgcat ggtgggtctt ctctccagta 60  
 ttcattctct tgctagaaga aaaatcttcc agagaccggg gtgacttctg ggacacctct 120  
 gcgatgtgct tgtggcgag tgctatccac aggtcgctcg cctcgctccag gagcacctcc 180  
 ttcacccgtg cctcccgat gccgctggtc tcatacttgt atacatcatt ttcgataggc 240  
 agcagatcat aactcatagc ctgaaaagtc aattcatgga gcacagggga gctgggggtca 300  
 aagcctcgat ccaggatcag gagctgggag cgtgccttgt ctgggcccctc ccccatgtt 360  
 ggatcatcag ctttataggc atcgagcttg tcctggatta gctgagccag cagggcattg 420  
 tccttgtatt cccccgata ccgcatagcc ggggtacc 457

<210> 438  
 <211> 731  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)... (731)  
 <223> n = A,T,C or G

```

<400> 438
accaattatt cagaatcaaa tggatgcact tcttgatgtt aatgttaata gcaatgaact    60
tacaaatggg gtaataaatg ctgccttcat gctcctgttc aaagatgcc a ttagactgtt    120
tgcagcatac aatgaaggaa ttattaattt gttggaaaaa tattttgata tgaaaaagaa    180
ccaatgcaaa gaaggtcctg acatctataa gaagtctcta actaggatga caagaatctc    240
agagtctctc aaagttgcag agcaagttgg aattgacaga ggtgatatac cagacctttc    300
acaggccccct agcagtcttc ttgatgcttt ggaacaacat ttagcttctc tggaaggaaa    360
gaaaatcaaa gattctacag ctgcaagcag ggcaactaca ctttccaatg cagtgtcttc    420
cctggcaagc actgggtctat ctctgacc aaaggaacac agggaaaagc aggcagcatt    480
agagggaagaa caggcacgtt tgaaagcttt aaaggaacag cgcctaaaag aacttgcaaa    540
gaaacctcat acctctttta caactgcagc ctctcctgta tccacctcag caggagggat    600
aatgactgca ccagccattg acatattttc tacccctagt tcttctaaca gcacatcaaa    660
gctgnccaat gatctgcttg anttgcagca gccaaacttt caccatctg tacctttggg    720
ccngaacac g                                     731

```

```

<210> 439
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<400> 439
ctgcgagcca ggattcccga tccagagaca atggccccga tgggatggag cccgaaggcg    60
tcacgcagag taactggaat gagattgttg acagctttga tgacatgaac ctctcggagt    120
cccttctccg tggcatctac gcctatgggt ttgagaagcc ctctgccatc cagcagcgag    180
ccattctacc ttgtatcaag ggttatgatg tgattgtctc agcccaatct gggactggga    240
aaacggccac atttgccata tcgattctgc agcagattga attagatcta aaagccaccc    300
aggccttggt cctagcacc cctcgagaat tggctcagca gatacagaag gtggtcatgg    360
cactaggaga ctacatgggc gcctcctgtc acgcctgtat cgggggcacc aacgtgctg    420
ctgaggtgca gaaactgcag atggaagctc cccacatcat cgtgggtacc    470

```

```

<210> 440
<211> 353
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (353)
<223> n = A,T,C or G

```

```

<400> 440
ggtacattga agagaacaag tatagcagag ccaaactctc tcagccacct gttgaagaag    60
aagatgaaca cttcgatgac acagtgggtt gtcttgatac ttataattgt ggatctacat    120
tttaaaatat caagagatcg tctcagtgtt tcttccctta caatggagaa gttttgcttt    180
tctttgggct ggaggaagag catcctatgg tgtgtcaaaa ggcaaagtgt gttttgagat    240
gaagggttaca gagaagatcc cagtnaggca tttatatcnn nngatattga catacatgaa    300
gttcgnattg gctggnccat actcnnntgg aatgntcttg gngaanaana att          353

```

```

<210> 441
<211> 647
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (1)...(647)  
 <223> n = A,T,C or G

```

<400> 441
acattattga tgaacgcagt gactctgaag aataatcaga ggatgacatg ggagagccca      60
atggcttcat tgattgcccc tccctgtgag gacagggaaa tgggagcttg tgggattctg      120
gggatgacag aggtgagtga ggtgaagccc taggggatgg tgaatggtag ctccggatcc      180
ctggtgagga gcttcctctt aagtctgagt tactgagagg gaagagggag aagctgggtg      240
aggctagcat cgtcgacctt ggggaatccg ggctggggga ctgttcacaa gaagagccag      300
acaagaccct actgttctta ggtgcagaca ggattatgaa acctgaagct cccagggacc      360
ccaacaaatt ttcaaaccct gagaatgaag gagtgtgtgt gactgtgaga gtgtgtgtgt      420
gtgtgtgtgg tgtgaggtat gcgctcctta agaaaatgga aataaaccaa ccaatgagac      480
agacagacag acagagactc acttatccaa gtgttctgtc cagtcctctg aatccggttc      540
caagtgcgaa gaccctttga gctccaagtc catcacagagc ccggcaaaat gctccggccc      600
gctgctcggc tcttgtgacg atctgagtag ctcgggccgn gaccacg      647

```

<210> 442  
 <211> 1002  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1002)  
 <223> n = A,T,C or G

```

<400> 442
acagaagttg aagtgaatc tactgaggag gcttttgaag ttttctggag aggccagaaa      60
aagagacgta ttgctaatac ccatttgaat cgtgagtcca gccgttccca tagcgtgttc      120
aacattaaat tagttcaggc tcccttgat gcagatggag acaatgtctt acaggaaaaa      180
gaacaaatca ctataagtca gttgtccttg gtagatcttg ctggaagtga aagaactaac      240
cggaccagag cagaagggaa cagattacgt gaagctggta atattaatca gtcactaatg      300
acgctaagaa catgtatgga tgctctaaga gagaaccaa tgtatggaac taacaagatg      360
gttccatata gagattcaaa gttaacccat ctgttcaaga actactttga tggggaagga      420
aaagtgcgga tgatcgtgtg tgtgaacccc aaggctgaag attatgaaga aaacttgcaa      480
gtcatgagat ttgcggaagt gactcaagaa gttgaagtag caagacctgt agacaaggca      540
atatgtggtt taacgcctgg gaggagatac agaaaccagc ctcgaggtcc agttggaaat      600
gaaccattgg ttacctgacg tgggtttgca gagttttcac cnttgnctgc atgcgaaatt      660
ttggatatca acgatgagca gacactttcc angctgattg gaagccctta gagaaacgac      720
ttacttacga caaatggatg attggtgagt ttaacaaaacc atntaaagct tttaaagctt      780
ttgtaccaga aattggcaat gctggtttaa gtnaaggaaa anccccctgcc anggggaact      840
taatggaaan ggggaaaaaag atttngnccc aaattggaat tnaaccnccc gaaaaaaaaa      900
annnnnnaaa aaagancttg gncgggaacc ccccttaggg gaattcnnen ccttgggggg      960
cnntnntaan ggaccantt ggnccaaaaa ttgggggaaan tg      1002

```

<210> 443  
 <211> 486  
 <212> DNA  
 <213> Homo sapiens

```

<400> 443
acattagtct taattgactt attacataat cgattcgtgt ctagttttga gagctttaag      60
ttctcaatta tagttctttt aaaactgaat agcaaataac aatatgatta acttcatatt      120
tattattttca acgatctttt ttataaccga gtttaatttt taaattaaat ttctaaaata      180
gattaccaat attaaaatac ctttaagatat ttatcttttag caataatagg caatattaaa      240
gttggtattaa ctttttaaatt aagtaagagt atttgggtgga tgccttgggt ctgaaagtcg      300
atgaaggacg cgattacctg cgataagctt cgtggagtgt gaaataaaact atgatacggg      360
gatttccgaa tggggtaacc taactgagca aacctcagtt gcattttgat gaatccatag      420
tcaaattagc gagacacgtt gcgaattgaa acatcttagt agcaacagga aaagaaaata      480
aatacc

```

```

<210> 444
<211> 625
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(625)
<223> n = A,T,C or G

```

```

<400> 444
gagggatgca cgttgcctta gccgagcttc ggagagaagc ctgatatgta acccaggcag      60
gtggggagcct cagtctgtcg ggctgaggtc tggcatctac aaagcctctt ggccgtgttc      120
tgaacttgaa gcctggagga gttctctgct cagcacagcc aaggaacaga attagaagaa      180
aaggaaccct ggcctgaggg aggtgacaaa cattaccacc ccagctgtgc acgatgcagc      240
agatgcaacc agatgttcac agaaggagag gaaatgtatc ttcaaggctc caccgtttgg      300
catcccgaact gtaagcaatc tacgaagacc gaggaaaagc tgcggcctac caggacatcc      360
tcggaaaagta tttattctag gccaggctcc agtattcctg gctcaccagg tcatactatc      420
tatgcaaaag tagacaatga gatcctggat tacaaggatt tagcagccat tccgaagggtc      480
aaggcaatth atgacattga acgtccagat cttattacct atgagccttt ctacacttcg      540
ggctatgatg acaaacagga gagacagagc cttggagagt ctccgaggac tttgnctnct      600
acttcatcag cagaagggtg cctcg

```

```

<210> 445
<211> 1002
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1002)
<223> n = A,T,C or G

```

```

<400> 445
accacaactc ccaggatttt cctggatcaa accttgatc tcttctgcaa gtattgtgta      60
tattggtctg agagacgtgg accctcctga acattttatt ttaaagaact atgatatcca      120
gtatttttcc atgagagata ttgatcgact tggatccag aaggtcatgg aacgaacatt      180
tgatctgctg attggcaaga gacaaagacc aatccatttg agttttgata ttgatgcatt      240
tgaccctaca ctggctccag ccacaggaac tcctgttggt gggggactaa cctatcgaga      300
aggcatgtat attgctgagg aaatacacaa tacagggttg ctatcagcac tggatcttgt      360
tgaagtcaat cctcagttgg ccacctcaga ggaagaggcg aagactacag ctaacctggc      420
agtagatgtg attgcttcaa gctttggtca gacaagagaa ggagggcata ttgnctatga      480

```

|             |             |             |            |            |             |      |
|-------------|-------------|-------------|------------|------------|-------------|------|
| ccaacttcct  | actcccagtt  | caccagatga  | atcagaaaaa | caagcacgtg | tgagaattta  | 540  |
| ggggacactg  | tgcaactgaca | tgtttcacaa  | caggcattcc | agaattatga | ggcattgagg  | 600  |
| ggatagatga  | atactaaatg  | gttggtctggg | tcaatactgn | cttaatgaga | acattttacac | 660  |
| attctcacaa  | ttggtaaagg  | ttccccctcta | ttttggtgac | caatactact | ggaaatggaa  | 720  |
| tttggnntttt | tgcaagttcac | aggggtantaa | tatgggtcag | taccttnggc | cgcgaaacacg | 780  |
| cttaagggcn  | aattccacac  | acttggggcgg | ccgttcttaa | nggatccgaa | ctnggancca  | 840  |
| agcnttggcg  | taaacatggg  | cnataantgg  | tttctggggg | gaaatggtat | ccggttacaa  | 900  |
| tttcccccca  | nattccnaac  | ccggaagnen  | tnaagggtaa | aacccggggg | gccctaangg  | 960  |
| ggngctaact  | ccaaatnaaa  | tggtttgngc  | ttaatggccc | nt         |             | 1002 |

&lt;210&gt; 446

&lt;211&gt; 367

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 446

|             |             |            |            |            |             |     |
|-------------|-------------|------------|------------|------------|-------------|-----|
| ggtacaaaaag | agtatgggct  | cacaagaaga | tgattcagga | aacaaacat  | ccagttattc  | 60  |
| ttgaaaactaa | catccatcct  | gagctaaaca | agagaaacta | ccatcttggc | cagtgcagaag | 120 |
| tggtcggagg  | gcagcagaga  | ggaccaagcc | tgtgtcacct | ggagactaag | aaattaagtt  | 180 |
| ttgttttgac  | atcttcagtc  | ctgtgtgctt | tcagaaaacc | atcttctctg | caaagaaagg  | 240 |
| aaacagatttt | gcaaaacttta | aagtctgtcg | tggttttatt | tatctcaga  | ttattgttac  | 300 |
| tgcatataat  | ctaccttttt  | gttttaagtt | gcttgaaaaa | aaaaaaaaaa | aaaaaaaaaa  | 360 |
| aaaaagc     |             |            |            |            |             | 367 |

&lt;210&gt; 447

&lt;211&gt; 754

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(754)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 447

|             |             |            |             |            |             |     |
|-------------|-------------|------------|-------------|------------|-------------|-----|
| actcttgggg  | tggaagaagat | ctacacataa | caagttcaga  | aaccacagtg | ataaactaac  | 60  |
| ctaagaaaaat | cgtttaactt  | ttatctacct | gaaacacaaa  | attaaaaggc | aacctataaa  | 120 |
| ctggaaaaaaa | atatttgcat  | caaatataac | aaaagattat  | caatatcctt | aagatgtaaa  | 180 |
| tggtcttttgc | aaaacaatca  | atagaaaaat | gactaggaat  | tagaaaatca | tacacacaca  | 240 |
| cacacacaca  | cacacgcaca  | cacacacaca | ccacaaatgg  | ccaattgaca | catggtagag  | 300 |
| atgttcagtc  | accagcagac  | aaagcaatgt | tcacateccac | agggaagca  | gactcgatcc  | 360 |
| gtcggaggag  | caaagggttt  | caatgtnata | aagcccgggt  | ctgaggaaan | anggggaaggc | 420 |
| atcagggttt  | ncctcaccca  | gtgaagaaca | cctaattnga  | aaaaaatccc | ttcccttgct  | 480 |
| tggtggccagt | tttaaccaat  | tatggaaccc | ttgaaagtct  | ttaaagaagt | ttnaaccagt  | 540 |
| caatttncct  | ttcttcngaa  | atggtatggg | atttcaggca  | tttcccaaag | gagggtttanc | 600 |
| cancgggacc  | gttgaaaaaa  | ggctntggaa | ccttcnagg   | gnaaagttca | tttgccaagg  | 660 |
| gtnttaattt  | ttcttaagga  | agggaaaaaa | aaaaancttg  | naaaaatncc | ctnngattgn  | 720 |
| ccccattggn  | aancccggnn  | atnggtttaa | aatt        |            |             | 754 |

&lt;210&gt; 448

&lt;211&gt; 551

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 448  
 accagaaccg agttcgggat actcacaggc tcatcactca gatgcagctg agcctggcag 60  
 aaagtgaagc ttccttgga aacactaaca ttctgcctc agaccactac gtggggccaa 120  
 atggctttaa aagtctggct caggaggcca caagattagc agaaagccac gttgagtcag 180  
 ccagtaacat ggagcaactg acaagggaac ctgaggacta ttccaaacaa gccctctcac 240  
 tgggtgcgcaa ggccctgcat gaaggagtcg gaagcggaag cggtagcccg gacggtgctg 300  
 tgggtgcaagg gcttgtggaa aaattggaga aaaccaagtc cctggcccag cagttgacaa 360  
 gggaggccac tcaagcggaa attgaagcag ataggtctta tcagcacagt ctccgcctcc 420  
 tggattcagt gtctcggctt caggagtcga gtgatcagtc ctttcaggtg gaagaagcaa 480  
 agaggatcaa acaaaaagcg gattcactct caagcctggt aaccaggcat atggatgagt 540  
 tcaagcgtac c 551

<210> 449  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 449  
 accttcaaca ggcattctca cagccccatc accaacacct gtgtgcaagg catagccatc 60  
 acgcggaaaa gtctcaggac tcagaactac accataaatg caggatcttt ttatttcata 120  
 taaaaatgat caatgtgaaa aaagccaaac tgtatgctgg ttttacagac tccgaccctt 180  
 cctgacagtc gtcttgtctg gccaggctgg gggcccagca ttcttggaag ggagagacag 240  
 cccggcatct cagtatttca ttgggacaac aagctggatg tggcagggaa agctgagagc 300  
 gccaaagtcc ccttgcttta tccaagctc ggagggacgc agcctggcat ggctctggcc 360  
 tagcagccag gtgacatggc caggcaactt cctgtacc 398

<210> 450  
 <211> 672  
 <212> DNA  
 <213> Homo sapiens

<400> 450  
 accttattag aaagcgacgg caaactatgt gccagcagcc gcggtaatac ataggtcgca 60  
 agcgttatcc ggaattattg ggcgtaaagc gtccgtaggt tttttgctaa gtctggagtt 120  
 aaatgctgaa gctcaacttc agtccgcttt ggatactggc aaaatagaat tataaagagg 180  
 ttagcggaat tcctagtga gcggtggaat gcgtagatat taggaagaac accaataggc 240  
 gaaggcagct aactggttat atattgacac taagggaaga aagcgtgggg agcaaacagg 300  
 attagatacc ctggtagtcc acgccgtaaa cgatgatcat tagttggtgg aataatttca 360  
 ctaacgcagc taacgcgtta aatgatccgc ctgagtagta tgctcgcaag agtgaaattt 420  
 aaaggaattg acgggaaccc gcacaagcgg tggagcatgt ggtttaattt gattctacgc 480  
 gtagaacctt acccactctt gacatcttct gcaaagctat agagatatag tggaggttaa 540  
 cagaatgaca gatggtgcat ggttgtccgt cagctcgtgt cgtgagatgt taggttaaag 600  
 cctgcaacga gcgcaaccct tttctttagt tactaatatt aagttaagga ctctagagat 660  
 actggtctga cc 672

<210> 451  
 <211> 554  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature



&lt;222&gt; (1) ... (554)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 451

|             |            |            |             |            |             |     |
|-------------|------------|------------|-------------|------------|-------------|-----|
| acacgctgcc  | aaagtaattc | ctgctcatcc | atgcacctgc  | tctgtctctt | ttagagtcac  | 60  |
| accttatttg  | agtatagggt | gcttaatttt | gctagacttc  | ctgaaaacac | taagggtggag | 120 |
| tatcagaagt  | gatttttagt | acagttctgc | gggagagctt  | agaataacac | cctccttttg  | 180 |
| gaggtgggtc  | tgggtgctgc | gatgttggtg | tacagtcttt  | attgtaagtc | tgatacaaaa  | 240 |
| tgctaataaa  | tttaatgttt | ttcttcctta | atattattggc | atagttcttc | aggtagcacc  | 300 |
| tcatttttat  | taatgatatt | gggattaact | atgaacaagc  | tatatgtaga | catttgccatt | 360 |
| taaggacatt  | gcagtgggtc | aaagatccca | tcattgcagc  | ttgnatcctt | tagatccaat  | 420 |
| cggaaaacttc | tggagcttac | attaaatgct | catttgagct  | aaatagnaat | ctggtnaacc  | 480 |
| aganttgggc  | aatactttta | aaganactgg | ggacnattan  | ggntaganng | ggctatttcc  | 540 |
| ccttttnaggg | nggg       |            |             |            |             | 554 |

&lt;210&gt; 452

&lt;211&gt; 566

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (566)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 452

|            |            |             |            |             |             |     |
|------------|------------|-------------|------------|-------------|-------------|-----|
| acaaataaat | tgtatgcttt | cggataaagt  | gacatgttta | tatgggtgata | aaggggaatta | 60  |
| taatgctctt | aactcttatg | tagtatgttc  | tcatcaaaat | caccaagcat  | gagaacactg  | 120 |
| tttagtctca | ttcatcactc | agcacagcct  | ctttctgtcc | acttcagggc  | caagtctttg  | 180 |
| ccatggcccc | acataacgtg | taaattagct  | tcagggatca | aaaatctttg  | aaaaccagct  | 240 |
| ttgctgagcc | ttgaaggaag | ccttttagacc | cagcttcaat | gaagtcacag  | ctccctgagg  | 300 |
| gtcctgggtg | actggaggcg | gcctcccaag  | cctgggagct | gtgtgcctgg  | atgggtctcac | 360 |
| tggggtgatg | acccaagctc | atggctccct  | ctcaacctct | aaccttctct  | aacacaagtc  | 420 |
| acccttggn  | ccttgagcac | tcctgaagtc  | cctttgaaag | gacatttcta  | ggctnctaag  | 480 |
| angcctggtt | ccttcagctg | gcacctnann  | tttaccagcc | nggnangcag  | gntttccaan  | 540 |
| ttntgctggg | tnaanaaanc | ccgncc      |            |             |             | 566 |

&lt;210&gt; 453

&lt;211&gt; 688

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (688)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 453

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| ggtactccta | cttcattttt | gaaggcttgt | aactgctgag | gtgtagggtgc | tgtcacattc | 60  |
| aacattttca | ctgccacatc | accatgccac | tttcccttgt | agactgttcc  | aaatgatcca | 120 |
| gatccaattc | tttgtccca  | tgtaatctgc | ccatcaggaa | tctcccaatc  | atcactcgag | 180 |
| tcccgtctac | caagtgtttt | cattcgattc | ctgtcttctg | aggatgaaga  | tgacttcctt | 240 |
| tctcgctgag | gtcctggaga | tttctgtaag | gctttcacgt | tagttagtga  | gccaggtaat | 300 |

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|             |             |             |            |             |            |     |
|-------------|-------------|-------------|------------|-------------|------------|-----|
| gaggcagggg  | gggtagcaga  | caaacctgtg  | gttgatcctc | catcaccacg  | aaatccttgg | 360 |
| tctctaataca | agtcatacaat | attgacaggt  | tctattgtgt | ttatatgcac  | attggggagc | 420 |
| tgatgaggat  | cggncctggt  | gccccaaattg | aattccatga | tcttcatctg  | ctgggccgaa | 480 |
| nggctgngga  | aatggaatgg  | gttttgaaga  | gaccgactgg | tgagaattgg  | ggcccaatan | 540 |
| aatcnagggc  | gggtgccgaaa | gggatgatcn  | cantgtaggc | agtctttggg  | aaggaccctn | 600 |
| ttctgnggga  | ttgggggggt  | taannacttg  | gggacaaccg | caaatacaant | ggcctattaa | 660 |
| nccttaggga  | aattntanct  | gccngggg    |            |             |            | 688 |

&lt;210&gt; 454

&lt;211&gt; 565

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (565)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 454

|             |            |             |            |            |             |     |
|-------------|------------|-------------|------------|------------|-------------|-----|
| actggctgcg  | aggcgccagt | cgatcaatgt  | atgacaggag | ctgagacttg | gccacaccag  | 60  |
| gatcccccat  | cagacagatg | ttgatgttgc  | cccggatttt | catgcctcga | ggagactggg  | 120 |
| ccacaccccc  | gactgcagg  | agcagcagtg  | ccttcttcac | atcttcatgc | ccgtatatatt | 180 |
| ctggggcgat  | tgaagctgcc | agcttttcgt  | agaaaatcct | cctctgcaat | ttgcctcagc  | 240 |
| tcttccctgg  | tgagctctcc | agccccagac  | tcatcctcct | cactcttggt | catcttcaca  | 300 |
| atccgatggg  | cttccaggta | ggtttctgag  | agtaaaccct | gtacttgatg | cactttgcac  | 360 |
| agacaggggtg | tgttgaatag | gcattatattt | ataaggaaaa | gaagtctgtg | gtgactgggt  | 420 |
| tgaataaaag  | tggtaatggt | gatggagggc  | agntcttttg | gatttgcttg | gtantgctga  | 480 |
| tgggagacng  | gagaccacct | ngggcgcgaa  | cacgcttaag | gggganaatt | cngcacactg  | 540 |
| gggggccgta  | ctataggngn | ccnnc       |            |            |             | 565 |

&lt;210&gt; 455

&lt;211&gt; 566

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (566)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 455

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| acagtcctga  | ttgcatcata | attgtgggtt | ccaaccaggt | ggacattctt | acgtatgtta | 60  |
| cctggaaaact | aagtggatta | cccaaacacc | gcgtgattgg | aagtggatgt | aatctggatt | 120 |
| ctgctagatt  | tcgctacctt | atggctgaaa | aacttggcat | tcaccccagc | agctgccatg | 180 |
| gatggatttt  | gggggaacat | ggcgactcaa | gtgtggctgt | gtggagtggt | gtgaatgtgg | 240 |
| caggtgtttc  | tctccaggaa | ttgaatccag | aaatgggaac | tgacaatgat | agtgaataat | 300 |
| ggaaggaaag  | gcataagatg | gtggttgaaa | gtgcctatga | agtcctcaag | ctaaaaggat | 360 |
| ataccaactg  | ggctatttga | ttaagtgtgg | ctgatcttat | tgaatccatg | ntgaaaaatc | 420 |
| tatccaggat  | tcaccccgng | tcaacnatgg | tnaaagggga | atgtatggca | ttggagaaat | 480 |
| gaanctttcc  | tngncccttc | entgnatccc | ncaanggncc | cggggattna | acnagcgggt | 540 |
| ttnaancccn  | aanctttaag | ggnnggg    |            |            |            | 566 |

&lt;210&gt; 456

<211> 559  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(559)  
 <223> n = A,T,C or G

```

<400> 456
ggctcctggcc tcagcccgcc acatcacccct gacctgctta cgcccagatt ttcttcaatc      60
acatctggaat aaatcacttg aagaaagctt atagcttcat tgcaccatgt gtggcatttg      120
ggcgctgttt ggcagtgatg attgcctttc tgttcagtgt ctgagtgcta tgaagattgc      180
acacagaggt ccagatgcat tccgttttga gaatgtcaat ggatacacca actgctgctt      240
tggatttcac cggttggcgg tagttgaccc gctggttgga atgcagccaa ttcgagtgaa      300
gaaatatccg tatttgtggc tctgttacia tggtgaaatc tacaaccata agaagatgca      360
acagcatttt gaatttgaat accagaccaa agtggatggg gagataatcc ttcactctta      420
tgacaaaagga ggaattgagc caacaattgn atgttgatg gtgggttgca tttggtttac      480
tggatactgg catagaaagt ggtntcggga gaaaaaccta tgggggcaga ncntttttta      540
agcctggcca ananaggnt

```

<210> 457  
 <211> 552  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(552)  
 <223> n = A,T,C or G

```

<400> 457
gttacgacaa aattttaagag gaataacaaa tacaaatctt ctgttaagaa cggaaagggtg      60
caaactagca gactcaatac tggttaaccag aaggcactaa tccaaacaca taaatttcaa      120
aagctgggta tattatggaa taccatatat actggccttt gccagtttgg gatttctgca      180
atagcaataa gctcgttttc tgtttccaat tataacaaca aaaagatgag ttactaatga      240
acattccact acagaagtct aggctatggt gataaattga aaacttatct agactactct      300
gtctaagagc aataaaaaagt aaacactctt ttatccagca gcactaggaa acaggggtgaa      360
tttaccaaga taaattaggt tggggatacc tactgccaac ttgtgcggtt gtcgaattca      420
ctgnaatatg tattcctctt attgatagag ctcttgaatg naaaccacct anaagtgagg      480
ggaaaagctt caggatcatg gnccacaatt atgntatagn gcttttngng ggtngagccn      540
aaccctgntn cc

```

<210> 458  
 <211> 561  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(561)  
 <223> n = A,T,C or G

<400> 458  
 accccaacaa tcttcaagcc acagtccaag agaagtctca ggaaagcaga cgtagaggaa 60  
 gaatccttag cactcaggaa acgaacacca tcagtaggga aagctatgga cacacccaaa 120  
 ccagcaggag gtgatgagaa agacatgaaa gcatttatgg gaactccagt gcagaaattg 180  
 gacctgccag gaaattttacc tggcagcaaa agatggccac aaactcctaa ggaaaaggcc 240  
 caggctctag aagacctggc tggcttcaaa gagctcttcc agacaccagg cactgacaag 300  
 cccacgactg atgagaaaaac taccaaaata gcctgcaaat ctccacaacc agaccagtg 360  
 gacaccccag caagcacaaa gcaacggcca agagaaacct caggaaagca gacgtagagg 420  
 aagaattttt agcactcagg aaacgaacac catnagcagg ccaagccntg gncaccccaa 480  
 aaccngcngt nagtgggtga gnaaaaattt cncctanttt tgggnaactt ccgngcгаа 540  
 nttngcccn tntttggnaa a 561

<210> 459  
 <211> 468  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(468)  
 <223> n = A,T,C or G

<400> 459  
 ggtacctcga catcctgaac actggataaa aaagttgatt aaatccagaa gtgcgatgtc 60  
 cctgtcttgt ttatatgatt caatccagtc atccaccacg gactgcattg cacttttccc 120  
 cagtttcacc acctcaaata atgtgacagg ctccccctcc ccattctgtt gaggggtgtcc 180  
 attagctctt ccacggcctg ctcccttaat tccagcttca attctgctct tctcacctgg 240  
 agattttcga ggtttcttat ttgtagatgg aggccggcca ggacgacccc tttttctttt 300  
 tcttttgacc tctgtttctt caagctcgct gccagcatcg gaatgggcag tagtttcatt 360  
 agttgaatcc tgtaacactg gtaattctga agtaatcatt gctggagagg cctttcacaa 420  
 tgcagcaaaa taatcaagtg ctgnacctgg ccgggcccgg cgctcgaa 468

<210> 460  
 <211> 566  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(566)  
 <223> n = A,T,C or G

<400> 460  
 acttcttgca tgttgtcaca tgttgctgtg agaatcaggt gctgcctata tggctccact 60  
 gggagagggc agatggaagc cgtgcctca tctgtcgtgg aacgtgtgct gtgcacctcc 120  
 tccctttgct gatcttaatc tctgtccttt tactgtaata aactgtaact gtgagcctaa 180  
 cagctttcct gagtctagtg agtccctcta gcaaatgaaa ggaggggtgg ctggagacc 240  
 tatgaacttg cacctgcccc cgtcgttttg aggtctggca cagggagggg ggctgggtctc 300  
 tttggagggg gtcttcaccc attgggggtcg ggtccaactc tggaggccca cgtccttgcc 360  
 agctccagtc tctctccct ctcagtcctc acgctgtcac cttgtgccct ctgtctgtgg 420  
 atcctgggaa gagctgntct ctctgctcac agctgaatan gagacatgcc cattagctga 480  
 ggcgcttgca tgcttgact actcgattgn caaangtnca agngntccca nnnnccccg 540  
 ggtctatgga naannggggg gnanan 566

<210> 461  
 <211> 570  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(570)  
 <223> n = A,T,C or G

<400> 461  
 ggtactatag catagcctgc ctttgctggg gtgtggcgat taggcctggt ggaactgccca 60  
 tcaataaatc aagcgtgatc aggggtgagga acaggggaaga aggaaatgtg gggaaatggg 120  
 atgaacatca ggtggatcac agagatgcag tcatgggggt caggtgtggt atccggaata 180  
 atgtgggagg ctggattgaa gtccggggcca ggaacaatgg taattgtggg acttaacaaa 240  
 aagtgagaac agctgaagga gtcagggagc agaaagtata tgcgtcaggt gtgaggaaga 300  
 aaatagattt tggaagttat gagaaatgta gagagtgagt tgagcatagt ttgtgatttt 360  
 gagggcctct aatagtatta aagcagtggc agcccgtac accgcagaca tganggctag 420  
 gctaaaacag taagggccaa gttgtttgca cagaaaggct tcaggggtgcc ggtcctggct 480  
 cttgggtaag aattttggac cggacttaac catgcctaag gaaggggaag gaggttgngt 540  
 tttgnaggg gacccagggt tgggaaaann 570

<210> 462  
 <211> 573  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(573)  
 <223> n = A,T,C or G

<400> 462  
 cgaggtacca ccagtatatg gaatgttagg gaaaaacttt gttccagttc cttttttttt 60  
 tctttctact ttcaagttta agtgaacccat actgaaatga ccaacaagtc tgccgtgtaa 120  
 gttacatgtc atgatttgtt tggttaaata ttatggggga gaaaatgaag taaatgttgc 180  
 tgatgatccc catatttatt gatcatatta aggttgttta tatagtttgg aaatgaccag 240  
 ccccctaagc agtgtttgat taacttatgc taatcagatg attactcata tattctgcta 300  
 attttctagc tttattcttg ttatttggaa aaattattag ccaaatgcct tcctaggtgg 360  
 atccagttgg aagatatgtc cagaaacctg aagaaaaatt gacgctgcct ttgtgtgctg 420  
 gattgctcta cttgattaga tcatgatata tcaaggntga atttttagag ggaaaattaa 480  
 ttctgatatc ttattggatc ccttgataag ntttttctg gatttttttt tttccccaaa 540  
 gaatttttca tttgngnccn ngcccggcgg gcc 573

<210> 463  
 <211> 574  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(574)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 463

|             |             |             |             |            |            |     |
|-------------|-------------|-------------|-------------|------------|------------|-----|
| accatatacct | gtgttttgaat | caaaccocgga | gttctttctat | gtggaaggct | tgccagaggg | 60  |
| gattcccttc  | cgaagcccta  | cctgggtttg  | aattccacga  | cttgaaagga | tcgtccacgg | 120 |
| gagtaataaaa | atcaagttcg  | ttgttaaaaa  | acctgaacta  | gttatttcct | acttgcctcc | 180 |
| tgggatggct  | agtaaaataa  | acactaaagc  | tttgacgtcc  | cccaaaagac | cacgaagtcc | 240 |
| tgggagtaat  | tcaaagggttc | ctgaaattga  | ggtcaccgtg  | gaaggcccta | ataacaacaa | 300 |
| tcctcaaacc  | tcagctgttc  | gaaccccgac  | ccagactaac  | ggttctaacg | ttcccttcaa | 360 |
| gccacgaagg  | gaagagagggt | tttcttttga  | ggcctggaaa  | tgcccaaaat | cacnggcctt | 420 |
| aaaacaggaa  | ggttgggaaa  | tctctttcaa  | tgagaaaatg  | tggggnaact | cttgggcctt | 480 |
| aaacaagctg  | tgaaagggtgc | ccggtcccg   | taatttgggg  | ccttttcccg | gaagacnttt | 540 |
| ttgtggaaag  | gnttacctga  | ngggggggcc  | cttt        |            |            | 574 |

&lt;210&gt; 464

&lt;211&gt; 458

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 464

|            |            |             |             |            |            |     |
|------------|------------|-------------|-------------|------------|------------|-----|
| ggtactgccg | ctcggagatc | tttacttggt  | tttactttga  | acatgagcag | agaaaagaca | 60  |
| aagaaaaaga | tggccatggc | aaagctgac   | cgatacacag  | ctttataacc | aaccagcaca | 120 |
| tcacaatctt | tatctgcatt | tatatcagcc  | tcattggattt | taaatcccc  | ttcacaaaat | 180 |
| ccaggaatct | tcttcaagta | agtttccatc  | tcttttctct  | gcatgatata | ggatacgaca | 240 |
| gtgctcagga | ggagaatgaa | agcataaatg  | aggcgagtca  | ccgtggaatt | cttactgtta | 300 |
| ggacagcaac | tacacagcaa | acatgaggca  | ccgctgcaga  | ggcatggaac | ccagctggcg | 360 |
| agggagaaga | cacccagcac | agcccccatg  | gtgacgccag  | tgatggaggt | ggccggtcct | 420 |
| gaggtgctt  | tctaacacgg | tggttaactgc | cagctgag    |            |            | 458 |

&lt;210&gt; 465

&lt;211&gt; 580

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(580)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 465

|             |            |            |            |            |             |     |
|-------------|------------|------------|------------|------------|-------------|-----|
| gcggccgang  | tacttcacca | tcactgactc | catggacttg | atcagccgnc | gctggatgta  | 60  |
| tncagtctca  | gnagtnttga | cagccgtgtn | aatgagcccc | tcacgacccc | ccatggngtg  | 120 |
| gaaaaaagaac | tcagtgggtg | tgaggccggc | taggtaggag | ttctncacaa | agccacggct  | 180 |
| ctnaggcccc  | tagtcatcct | tgatgaagtg | aggcagagtc | cggtgcttga | agccaaatgg  | 240 |
| aatccgcttg  | ccctcgacgt | tctgctgtnc | aacgacagcg | atnacctggg | agatgttaat  | 300 |
| cttggaaacct | ttagctccgg | acacgaccat | anacttgaag | ttgttgatt  | canacagggg  | 360 |
| tttctgagca  | gaggagccag | tcttgtctcg | ggcatcgta  | agaatgcggg | tcacctgatt  | 420 |
| ctcaaactgc  | tgncgcagan | tggtccctgg | ggngggctcc | agctcattgt | tgngngnctt  | 480 |
| cttnatgacc  | tctantacgt | cctgnttggg | gcttttaana | gggcctgaat | gncccgaggaa | 540 |
| ggntttanaa  | ttncnatggg | gttcccaagg | ccanacttnn |            |             | 580 |

&lt;210&gt; 466

&lt;211&gt; 566

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(566)  
<223> n = A,T,C or G

```

<400> 466
caagcctttt tttttttttt tttttttttt gggcatgcct gtgttgggtt gacagtgagg      60
gtaataatga cttgttggtt gattgtagat attgggctgt taattgtcag ttcagtgttt      120
taatctgacg caggcttatg cggaggagaa tgttttcatt ttacttatac taacattagt      180
tcttctatag ggtgatagat tgggtccaatt ggggtgtgagg agttcagtta tatgtttggg      240
atgttttagg tagtggtgtg tgagcttgaa cgctttctta attggtggct gcttttaggc      300
ctactatggg tgttaaattt tttactctct ctacaagggt ttttcctagt gtccaaagag      360
ctgntcctct ttggactaac agtaaattta cnagggggat ttaaagggtt ctggggggcca      420
aatttaaaag ttgaactaag aattctatct tggaccaacc agnttttcac cangcctcgg      480
gaagggttgg cgcgcctntac ctattaaact tncccttatt ttgggaccta naccgggngg      540
ggctcctttt aacngggcnt aagggg

```

<210> 467  
<211> 597  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(597)  
<223> n = A,T,C or G

```

<400> 467
gcgtgggtccg gccgaggtag gtgatgcctt tacagctgaa aaatccaaga ttgagacaga      60
aatcaagaac aagatgcaac agaaatcaca gaagaaagca gaacttcttg ataataaaaa      120
accagctgct gtggttgctc ccattacaac gggctatacg gtgaaaatca gtaattatgg      180
atgggatcag tcagataagt ttgtgaaaat ctacattacc ttaactggag ttcattcaagt      240
tcccactgag aatgtgcagg tgcatttcac agagaggtca tttgatcttt tggtaaagaa      300
tctaaatggg aagagttact ccattgattgt gaacaatctc ttgaaaccca tctctgtgga      360
aggcagttca aaaaaagtca agactgatac agttcttata ttgtgtagaa agaaagtgga      420
aaacacaagg tgggattacc tgacccaggt ttgaaaangg agtgcaaaga aaaaggagaa      480
gcccttncta tgacactgga accagaatcc tngtnagggg attgatgaaa ggtcttaaga      540
aaaatttttg aagaangnga cattgatttt gaagcgnacc ctttattnan gcttgagg      597

```

<210> 468  
<211> 562  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(562)  
<223> n = A,T,C or G

<400> 468

WO 99/64576

PCT/IB99/01062

|            |             |            |            |             |             |     |
|------------|-------------|------------|------------|-------------|-------------|-----|
| ggtactggat | aaagggctga  | catcaagagc | aaacagaagt | cttttcctag  | tgcataatgca | 60  |
| aactggccaa | ttccttccaa  | ctgaatgcat | atttgccaga | tggtactgtt  | catggagcaa  | 120 |
| atagtgggac | ttggctttga  | gaaggctaga | aaagatgtaa | cttggttaggt | gtgttcacca  | 180 |
| gacgtgatgg | cttggaggcc  | tgggtgctcc | atcatcagct | cctctcccat  | ttcctcagtt  | 240 |
| tcaagacagg | taaccaaaata | ccaattttct | tgacttggtt | attcttcaag  | tatagatgtc  | 300 |
| acaatctctc | tcagttcttc  | tgggtttgtt | ttaatatgtt | tttcgtgaag  | atcctcaacc  | 360 |
| tccagcccag | cagcccctgt  | aaccagttca | ttaaggatca | tggcagcttg  | cttcgggtaa  | 420 |
| accacagatt | gatggtaaag  | ttccataaag | tgatccacaa | gcnaataaaa  | gattnccata  | 480 |
| ataaccaagt | agcttgacaa  | acctggctna | agagcntgaa | gaatctctta  | tccgtgaaga  | 540 |
| aaccggaata | tcttctntng  | gg         |            |             |             | 562 |

&lt;210&gt; 469

&lt;211&gt; 533

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (533)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 469

|             |            |            |            |             |            |     |
|-------------|------------|------------|------------|-------------|------------|-----|
| cgaggtacca  | ataccaccaa | ttttgtagac | atcctggaga | ggcagggcgca | agggcttgtc | 60  |
| agttggacga  | gttgggtgga | ggatgcagtc | cagagcctca | agcagcgtag  | ttccactggc | 120 |
| attgccatcc  | ttacgggtga | ctttccatcc | cttgaaccaa | ggcatgttag  | cacttggctc | 180 |
| cagcatgttg  | tcaccattcc | aaccagaaat | tggcacaat  | gctactgtgt  | cggggttgta | 240 |
| gccaattttc  | ttaatgtaag | tgctgacttc | cttaacaatt | tcctcatatc  | tcttctggct | 300 |
| gtaggggtggg | ctcagtgga  | tccattttgt | taacaccgac | aattagttgt  | ttcacaccca | 360 |
| gtgtgtaagc  | cagaagggca | tgctctcggg | tctgccattc | ttggagatac  | cagcttcaaa | 420 |
| ttcaccaaca  | ccagcagcaa | caatcaggac | agcacaagtc | aggctgagat  | gtcctgnaat | 480 |
| catgnttttg  | ataaagctct | gggtcctggg | ccatcaatga | tagccatagt  | acc        | 533 |

&lt;210&gt; 470

&lt;211&gt; 672

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (672)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 470

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| ggtacaccat | ataaacagca | gatgaagtcg | gagagatagt | ctaatacact | tagatcatgt  | 60  |
| tccaccacaa | tgatataatc | atctggattt | attagagatc | gtatagtaat | agcagccttt  | 120 |
| aaacgctgct | tgacatctag | gtaactagaa | ggctcatcaa | acatgaaaat | atcagctttc  | 180 |
| tgtatgcaaa | cgacagcaca | agcaaattct | tgcaactctc | ctcctgaaag | atcttcaaca  | 240 |
| tttcgttctt | ttaggtgggt | taaatcaagc | tgctgacata | caattgcctg | tgtctttgtt  | 300 |
| tcattctttc | ggtcacaaat | agatcccaat | gtcccccttg | cagccttagg | aatctggctc  | 360 |
| acatattgag | gtttgatgat | ggcttttagg | tcattcttct | gaatctttgg | aaagnaattt  | 420 |
| tgnaattcag | atccacngaa | ataagtcaaa | atcttctggc | agtcaaggan | gatcatcgga  | 480 |
| cctgncccg  | ccggccgntt | cgaaaggcca | aattccagca | cacttggccg | gccgggtactt | 540 |
| agnngaatcc | nagcttcggg | ancccgngcn | ttggcgnaaa | tcatngggca | taactgggtt  | 600 |



ccctggggggg aaaaatggta atccccggta ccaanttcnc cccnacatac cnaacccgga 660  
agccttanag gg 672

<210> 471  
<211> 387  
<212> DNA  
<213> Homo sapiens

<400> 471  
cgaggtgagc tttgaaacaa ctgatgagag cctgaggagc cattttgagc aatggggaac 60  
gctcacggac tgtgtggtta tgagagatcc aaacaccaag cgctccaggg gctttgggtt 120  
tgtcacatat gccactgtgg aggaggtgga tgcagctatg aatgcaaggc cacacaaggt 180  
ggatggaaga gttgtggaac caaagagagc tgtctccaga gaagattctc aaagaccagg 240  
tgcccactta actgtgaaaa agatatttgt tgggtggcatt aaagaagaca ctgaagaaca 300  
tcacctaaaga gattattttg aacagtatgg aaaaattgaa gtgattgaaa tcatgactga 360  
ctgagacctg cccggggccgg ccgtcga 387

<210> 472  
<211> 241  
<212> DNA  
<213> Homo sapiens

<400> 472  
ggtacgaatc gtctcctggc actgtgcagg cccacagctg acggcgatga cctccttcac 60  
cagcttcctc tccttgagcc gcacagcctc ctccaccggc atctcacaga aggggttcat 120  
ggagtgtctc acaccatccg tgaccacacc ggtcctgtca ggcttcactc ggatcttcac 180  
ggcgtagtcg atgaccctct tgacagctac gagcacgcgc agtcccgcca tcttcccgcc 240  
g 241

<210> 473  
<211> 470  
<212> DNA  
<213> Homo sapiens

<400> 473  
ggtactagtt cactatcggt gtctgattag tatttagcct taccgggtgg tcccggcaga 60  
ttcagacagg gtttcacgtg ccccgcccta ctccaggatac atctatgaga ttttatgatt 120  
tcgtatacag gaatatcacc ttctatgttg aagctttcca acttcttcta ctatcataaa 180  
atthttgtaac tcaatgtaag atgtcctaca accccttttt acagggtttgg gctctttcgc 240  
tttcgctcgc cactactgac gaaatcatta tttattttct tttcctgttg ctactaagat 300  
gtttcaattc gcaacgtgtc tcgctaattt gactatggat tcatcaaaat gcaactgagg 360  
tttgctcagt taggttacc cttcggaaa tctccgtatc atagttttatt tccaactcca 420  
cgaagcttat cgcaggtaat cgcgtccttc atcgactttc agacccaagg 470

<210> 474  
<211> 637  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(637)  
<223> n = A,T,C or G

```

<400> 474
acctcttcct gataagattg aagtaaaaaac tgggtgaggaa gatgaagaag aattccttttg      60
caaccgcgcg aaattgtttc gtttcgatgt agaatccaaa gaatggaaaag aacgtgggat      120
tggcaatgta aaaatactga ggcataaaaac atctggtaaa attcgccttc taatgagacg      180
agagcaagta ttgaaaatct gtgcaaatca ttacatcagt ccagatatga aattgacacc      240
aaatgctgga tcagacagat cttttgtatg gcattgccctt gattatgcag atgagttgcc      300
aaaaccagaa caacttgcta ttaggttcaa aactcctgag gaagcagcac tttttaaatg      360
caagtttgaa gaagcccaga gcattttaaa agccccagga acaaattgtag ccatggcgctc      420
aaatcaggct gcagaattgt aaagaaccca caagtcatga taacnaggat atttgcaaat      480
ctgatgctgg aaacctgatt ttgaatttca ggntgcaaga aagaaagggc ttggtggcat      540
tgaaccactg ntcattaaga atgcttcact gctaaaaatg ngattatgcc aaattaancc      600
agcaataaga ctctgtggccc ccttaactga actgttt      637

```

<210> 475

<211> 647

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(647)

<223> n = A,T,C or G

```

<400> 475
ggtacaagcc atagtggaaa gaatgaatct ctccctaaaa tagcagttgc aaaagcagaa      60
agggggagac agagaatatg gaaccccaca gatgcaactg aacctagcat tattaacagt      120
aaattttttg agcctgcccc aaggccacat gttatcagca gctgaagagc atctacagaa      180
accagctgca aggacaaaaa cagaacaact gatttggtgg agagatccga taacacgaag      240
ttgggaaata ggtaaaaata taacttgggg gagagggttat gcttgtgttt ctccaggcca      300
atatcaatag cctatttgga taccatcaag acacctgaaa ccttatcgtg agccagatgc      360
tgaggaatag actccgggag ggatcctgag aacccccccag ttgcagccat gtttgagact      420
gatgctgagg aggaactcaa ctgtcacgag cacagccccc atctggggac agatcaagaa      480
gctgtcacag atggaagaag aaaaccttga ggaaagcagg acaatcggtc ccatgagtaa      540
aatctgatgg tagctataaa ccggtttttan cacnccatgn tattccttng ttaaggctga      600
cncngagaac aattatacct antggggata tttatcatct tggtnng      647

```

<210> 476

<211> 665

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(665)

<223> n = A,T,C or G

```

<400> 476
accttattag aaagcgacgg caaactatgt gccagcagcc gcggtaatac ataggtcgca      60
agcgttatcc ggaattattg ggcgtaaagc gtccgtaggt tttttgctaa gtctggagtt      120
aaatgctgaa gctcaacttc agtccgcttt ggatactggc aaaatagaat tataaagagg      180
ttagcggaat tcctagtga gcggtggaat gcgtagatat taggaagaac accaataggc      240
gaaggcagct aactggttat atattgacac taaggggacga aagcgtgggg agcaaacagg      300

```

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| attagatacc | ctggtagtcc | acgccgtaaa | cgatgatcat | tagttggtgg  | aataatttca | 360 |
| ctaacgcagc | taacgccggt | aaatgatccc | gcctgagtag | tatgctcgca  | agagtgaat  | 420 |
| ttaaaggaat | tgacgggaac | ccgcacaagc | cggtggaaca | tgtgggttaa  | tttgattcta | 480 |
| cgccgtagaa | ccttaccac  | ttcttggaca | tcttctgcaa | agctatngga  | gatatagtgg | 540 |
| anggttaaca | gaatggcccc | aaggtgcatg | ggtggccgca | gctcgtgtcg  | tgagaaggta | 600 |
| nggtnaagtc | ctgnaacgag | cgccaacct  | ttctttagta | ctaataattaa | gttaaggact | 660 |
| ntagn      |            |            |            |             |            | 665 |

&lt;210&gt; 477

&lt;211&gt; 319

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 477

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| cgaggtactt | ttcaattatg | ttaacgtaaa | atactcgtaa | cgaatgtagt  | atgagtttaa | 60  |
| agtgagcttt | tcagatccta | taagtgcac  | ctaagtaatg | acaggcttta  | agataaggaa | 120 |
| tatatgcatt | ttgttaaggc | agaaatctca | taaaatttca | tgaaaaacca  | tggtcaatcc | 180 |
| aatgatgcac | tttttaagac | aagtttgtct | ggaaactgga | aggggtcaaaa | gacaacaaaa | 240 |
| aagcacacac | caaaaaacct | cactttaagc | aaatctataa | cttgaaaaaa  | aaaaagccta | 300 |
| agaatattct | gagagtgggt |            |            |             |            | 319 |

&lt;210&gt; 478

&lt;211&gt; 419

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 478

|            |            |            |             |             |             |     |
|------------|------------|------------|-------------|-------------|-------------|-----|
| accacgatg  | atgtggggag | cttccatctg | cagtttctgc  | acctcagcac  | gcacgttggt  | 60  |
| gcccccgata | caggcgtgac | aggaggcgcc | catgtagtct  | cctagtgccca | tgaccacctt  | 120 |
| ctgtatctgc | tgagccaatt | ctcgagtggg | tgctaggact  | aaggcctggg  | tggtcttttag | 180 |
| atctaattca | atctgctgca | gaatcgatat | ggcaaattgtg | gccgttttcc  | cagtcccaga  | 240 |
| ttgggcttga | gcaatcacat | cataaccctt | gatacaagggt | agaatgggct  | cgctgctgga  | 300 |
| tggcagaggg | cttctcaaaa | ccataggcgt | agatgccacg  | gagaagggac  | tccgagaggt  | 360 |
| tcatgtcatc | aaagctgtca | acaatctcat | tccagttact  | ctcgatgacg  | ccttcgacc   | 419 |

&lt;210&gt; 479

&lt;211&gt; 312

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 479

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| acatccctgga | gacctgaaga | attctgttga | agtcgcactg | aacaagttgc | tggatccaat | 60  |
| ccgggaaaaag | tttaataccc | ctgccctgaa | aaaactggcc | agcgctgcct | accagatcc  | 120 |
| ctcaaagcag  | aagccaatgg | ccaaaggccc | tgccaagaat | tcagaaccag | aggaggtcat | 180 |
| cccatcccgg  | ctggatatcc | gtgtggggaa | aatcatcact | gtggagaagc | accagatgc  | 240 |
| agacagcctg  | tatgtagaga | agattgacgt | gggggaagct | gaaccacgga | ctgtggtgag | 300 |
| cggcctggta  | cc         |            |            |            |            | 312 |

&lt;210&gt; 480

&lt;211&gt; 640

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(640)  
 <223> n = A,T,C or G

<400> 480  
 ggtaccaaca attcctccta ccagtggctg agcatactct gcagagtcag cctgcagcac 60  
 tgtgggtgact tctcttggac tcagggtgatt aacttcgctg ctgctatagc gaactgggggt 120  
 ttctctatgg tccactgctt ttgcaggaag aaactgcttc attcctttcc accaacctgc 180  
 ccggcccccag taaggtaagt cataggtgcc ttcagttttt ttctttctgt ttctccagtg 240  
 ccaagcacac actaatatga gaatgagagt agtgaggacc atgaccagca cagggacaag 300  
 aactgcagcc agcgctacat ctttgggttac atttgagtt acggtagtat ttctgatatc 360  
 aggactggca gttgtttgtt ctgtctgtgc aggaaattca ttgctactgc gaagttgtag 420  
 tggttgcgta aattttgggg cacgaccttt ggctattttg gaggggctgt agtggttttg 480  
 aggnccattgc tgttncnaag aggtggagggt tgagtaagtt ttggangacn actttangaa 540  
 taaactgaca tccgagcagt tcattttcat ggcaattttc gctgccatgg gtaaggatta 600  
 ctctaataaa cgtgccataa ttgggtggcaa aagtattccc 640

<210> 481  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<400> 481  
 ggtacatttc cttgtagact ctgttaattt cctgcagctc ctggttggtt ctggagcaga 60  
 tgatctcaat gagagagtc tcgtcggttc ccagcccctt catggaagct tttagctcag 120  
 aagcgtcata ctgagcaggt gtcttcaata ggcccaaaat caccgtctcc aggtggccag 180  
 ataaggctga cttcagtgtt gatgcaagtt ccttttttgt ccttctctgg taggcgaagg 240  
 caatatcctg tctctgtgca ttgctgcggt tgggtcaaaat gttgacaatg gtgacctcat 300  
 ccacaccttt ggtcttgatg gctgtttcaa tgttcaaaagc atcccgtcgc gcacaaaag 360  
 ttagtatagg ctttgacaga cccatatgca cttgggggtg tagagtgatc accctccaag 420  
 ctgagcttgc acaggatttc gtgaacagta agacattttg aaaggaagct gggcccgtgc 480  
 gcccagagagc tgaaagcgtc c 501

<210> 482  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 482  
 ggtacctata cagggatggc tcccacgcat ccctcagtga ccccaaacc cttctccactt 60  
 acactcaggc actcccagga cctgacagct actcccgtt atcgctcttc agttcgaagc 120  
 cctggccaat ctaccagccc acatgacgca gttacctggc catttctcca cgttcccgt 180  
 gagggcccca caccagccg cacaagagcc cctcctgcat tccgtcctca cacacaggcc 240  
 tgtgtatgca cttgctactg tcacactctt gctagcagaa gagggccctg taatggccga 300  
 tatecc 306

<210> 483  
 <211> 663  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1)...(663)  
 <223> n = A,T,C or G

<400> 483  
 acagaatttc ttatttcttg aagactctgt ggttgaccac ttcttcatta gttacctgca 60  
 gcaagacacc ttccatttta ctaccaacac caactgaagga accaagaaaa gctttattaa 120  
 tgatcacttg gcttgccctca gctgttgaaa tgaagcactt tacagtcttt gtggcagcag 180  
 aatatacttg tccatgggtc atatcaatgc catggcaaat aggaagaagc tcagtatcgg 240  
 ctctctccac cataaccccc acttctctca ctgcctctctg gaccatagtt tcctccacca 300  
 tatgggtcccc ccagtctcct gctaccacca aagtttccac tcttcacacg ggccaagtca 360  
 gaaagaccat gacataaaga gagatggcga aactgaaacg gattatttct tttgncttca 420  
 aaacatctca tcaattttatc actcatccat tctacctggg acttagaaaa ctccaccaca 480  
 ttgtaactga cattatttag gagtgccaat gagtaaacac ccaatcctgn atcttttagtc 540  
 cctccaaatc tggatccaaag aagtttagcc aggttccaaa cttntggctg ntggggggcca 600  
 ctgntattaa cacattttca ttancttgaa nnggttccag gacanttggc anaacttggt 660  
 ant 663

<210> 484  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

<400> 484  
 cttgggtctg aaagtcgatg aaggacgcga ttacctgcga taagcttcgt ggagttggaa 60  
 ataaactatg atacgggatg ttccgaatgg ggtaacctaa ctgagcaaac ctgagttgca 120  
 ttttgatgaa tccatagtca aattagcgag acacgttgcg aattgaaaca tcttagtagc 180  
 aacaggaaaa gaaaaaaaaa aaaaaaaaaa aaaaaaaaag cttgtacc 228

<210> 485  
 <211> 672  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(672)  
 <223> n = A,T,C or G

<400> 485  
 acggagccct ctgaaaaatg acaaagatgg tatgatgtat ggcccaccag tggggactta 60  
 ccatgacccc agtgcccagg aggctgggag ctgcctaagt tctagtgatg gtctgcctaa 120  
 caagggcctg gaattaaagc atggctccca gaagttacaa gaatcctgtt gggatctttc 180  
 tcggcaaaact tctccagcca aaagcagcgg tcctccagga atgtccagtc aaaaaaggta 240  
 tgggcccggc catgagactg atggacatgg actagctgag gctacacagt catccaaacc 300  
 tggtagtggt atgctgagac ttccaggcca ggaggatcat tcttctcaaa accccttaat 360  
 catgaggagg cgtgttcggt cttttatctc tcccattccc agtaagagac agtcacaaga 420  
 tgtaaaagaac agtagcactg aagataaagg tcgccttctc tcaactcatca aaaagaaagg 480  
 cgcttgatta aagcatttca atttcctatg gcccatctt ttnttcacag gtcnngggat 540  
 antcaaggtc tattncccta agaagagaat tnccttccan gggncctttc cnaggtcccc 600  
 aatagtttna aaaactggnc ctggtnggta ancccttann aaagcccttg gttaaaancc 660  
 cnaaanann ng 672

<210> 486  
 <211> 637  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(637)  
 <223> n = A,T,C or G

<400> 486  
 ggtacaatag agctttggat ctgatacaag aatttagaaa tataaaacaa aataactata 60  
 aaagtttaga ggcatttgaa tggcatttcc ttagaagaac ctgctaactc tgtatcattc 120  
 tgatgtggat tcctagtcac gtggggtgaa atgcatatct tcccccttt gctggatcac 180  
 tggcctttct tcaaaagcta taatgccatg aacacacatc ctaggagtct ctataatggt 240  
 aacagaagct ccaaatacca agccaatcaa agatgggaga gggcagggga accataaagg 300  
 cgaaggggtcc aaaggtggct gttactgaga acttgccctt tccaaaatgt gaaagtcata 360  
 gtgtctcttg cttgttctca gcttaaaactt gtttaactgag ttaatttgtt tcttcagtgc 420  
 attctgtgca gctgaaatgg aggggaatgt ggctaagacg gtgtangtgg angccaagtc 480  
 actgggttta gaaccgttca aggggttgga gtgggtggnc ccactggcca cagcagaagg 540  
 ggttgaccac cctgggttg gactgggggg tncceggann cccccggatn ttggngccca 600  
 attttaaaga agttncccca aaaacttttt aacttng 637

<210> 487  
 <211> 618  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(618)  
 <223> n = A,T,C or G

<400> 487  
 ggtacctctt cccatgactg caccagctc caggggcccct tgggacagcc agagctgggt 60  
 ggggacagtg ataggcccaa ggtcccctcc acatcccagc agcccaagct taatagccct 120  
 cccctcaac ctaccattg tgaagcacct actatgtgct gggtgcctcc cacacttgct 180  
 ggggctcacg gggcctccaa cccatttaat caccatggga aactgttgtg ggcgctgctt 240  
 ccaggataag gagactgagg cttagagaga ggaggcagcc ccctccacac cagtggcctc 300  
 gtggttatta gcaaggctgg gtaatgtgaa ggcccaagag cagagtctgg gcctctgact 360  
 ctgagtccac tgcctcattt ataaccocag cctgacctga gactgtcgga gaggctgtct 420  
 ggggccttta tcaaaaaaag actcagccaa gacaaggagg tanagagggg actggggggac 480  
 tgggagtc aaacctggc tgggggttaag tccacgtntg gcnagcactg gctttttctt 540  
 ttgggccttg gttccttctg ggcaaagaat gatgaccnet attttcagga cttttccttc 600  
 nggttncaagg ttttntg 618

<210> 488  
 <211> 618  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;222&gt; (1)... (618)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 488

```

ggtacagtcg tctgaagaag ctctgagggc ggcaggacca gccagcagca gccaagctt      60
ccctccatcc ccctttaccc tctttgctgc agagaaactt aagcaaaggg gacagctgtg      120
tgacatttgg agagggggcc tgggacttcc atgccttaaa cctacctccc acactcccaa      180
ggttggagcc cagggcatct tgcctggctac gcctcttctg tccctgttag acgtcctccg      240
tccatatcag aactgtgcca caatgcagtt ctgagcaccg tgtcaagctg ccctgagcca      300
cagtgggatg aaccagccgg ggccttatcg ggctccagcc atctcatgag gggagaggag      360
acggagggga gtagagaagt tacacagaaa tgctgctggc caaatagcaa agacaacctg      420
ggaaaggaaa ggtctttgtg ggataatcca tatgttaatt attcaacttc atcaatcact      480
ttatttatTT tttttctaac ttcttgagga cttaatttac tgnnttatta ggggtgaaaac      540
tggcnttcta ngtaggggtt tnttatccca ggactacctt ggggttttaan ttaaaaaaaaa      600
aaagaaatgg ntnaaaaaa

```

&lt;210&gt; 489

&lt;211&gt; 624

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)... (624)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 489

```

naggtnctga tgattctcca natccangta tagaatatga ncnccgnnctn cgaaantggg      60
gtganttgat tcttggggct gagtatcgat gtttatgnca tggaaaaacna gcttattggg      120
atctctcaga gagactacac acaatactat gatcatattt ctaaacagna ggaagaaatt      180
cgcanatgca tacaagactt tttcaagaaa cacatacagt acaagctttt ntntctattta      240
attgntgtnt ttttttgggg taacnngaaa gtttattnnt gtctgaaagc ttttataagt      300
atttaaattnn acnnagtaat gaactattca attgctgnaa tcgggtcaaaa tttncnaaag      360
ncgcacacaa antnntatcc ttgnncacgn anctncatac actgncctctn gccaaacacc      420
cttgccggga accaatcngc atgacatttc tgggccgggt aaatnttata aagccaaggg      480
ccnnggcact gggttaaggng ggccttanac ctttagggg agggcccnna taccctnccn      540
cttaaacntc tggggggngg tananatttc ttatagggnac cgncctctta aatcnattgn      600
canttttnng nccctttggg tttt

```

&lt;210&gt; 490

&lt;211&gt; 620

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)... (620)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 490

```

ggtacctctt cccatgactg caccagctc caggggccct tgggacagcc agagctgggt      60
ggggacagtg ataggcccaa ggtccctcc acatcccagc agcccaagct taatagcccc      120
ccccctcaac ctcaccattg tgaagcacct actatgtgct ggggtgcctcc cacacttgct      180

```

|            |              |            |            |             |            |     |
|------------|--------------|------------|------------|-------------|------------|-----|
| ggggctcacg | gggcctccaa   | cccatttaat | caccatggga | aactgttggtg | ggcgctgctt | 240 |
| ccaggataag | gagactgagg   | cttagagaga | ggaggcagcc | ccctncacac  | cagtggcctc | 300 |
| gtggttatta | gcaaggctgg   | gtaatgtgaa | ggcccaagag | cagagtctgg  | gcctctgact | 360 |
| ctgagtccac | tgctccattt   | ataaccccag | cctgacctga | gactgtcgga  | aggctgtctg | 420 |
| gggcctttat | caaaaaaaaaag | actnagccaa | acaaggaggt | agagagggga  | ctgggggact | 480 |
| gggagtcana | gccctggctg   | ggttcangtc | cacgttgggc | aggcacttgc  | ttttcttttt | 540 |
| nggncttttg | ttccttggtg   | gcaaaagagt | gattgaacct | cttattttca  | agggcttttc | 600 |
| nctnatgttn | cangntttnn   |            |            |             |            | 620 |

<210> 491  
 <211> 630  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(630)  
 <223> n = A,T,C or G

|            |  |     |
|------------|--|-----|
| <400> 491  |  |     |
| acatttcctt | gtagactctg ttaatttccct gcagctcctg gttgggttctg gagcagatga 60  |     |
| tctcaatgag | agagtccctg tcggttccca gcccttcctg ggaagctttt agctcagaag 120   |     |
| cgtcatactg | agcagggtgtc ttcaataggc ccaaaatcac cgtctccagg tggccagata 180  |     |
| aggctgactt | cagtgtctgat gcaagttccct ttttggctct tctctggtag gcgaaggcaa 240 |     |
| tatcctgtct | ctgtgcattg ctgcggttgg tcaaaatggt gacaatgggt acctcatcca 300   |     |
| cacctttggt | cttgatggct gtttcaatgt tcaaagcatc ccgctcagca tcaaagttag 360   |     |
| tataggcttt | gacagaccca tatgcacttg ggggtgtaga gtgatcacc tccaagctga 420    |     |
| gcttgcacag | gaattccgtg aacagtagac attttgaagg aagcttncct gaggcccaat 480   |     |
| gtgttcaacc | caaccgggaa aactnttncg ggtagaagtg aaatccgaag ttgctattgc 540   |     |
| ttccagaata | acctgggnct tnccccnaaa actttaaaac gttcccacct tgggcgggaa 600   |     |
| ccncttaan  | gggggaattc ccgncncng   | 630 |

<210> 492  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(412)  
 <223> n = A,T,C or G

|            |  |
|------------|--|
| <400> 492  |  |
| acactaccaa | cagatcaaag aaaccctcc ggccagtgtg aaagacaaaa ctgctaaggc 60   |
| caaggcca   | cagactcctg atggatccca gcagagtcca gatggcacac agcttccgtc 120 |
| tggacacccc | ttgcctgcca caagccaggg cactgcaagc aaatgccctt tcttggcagc 180 |
| acagatgaat | cagagaggca gcagtgtctt ctgcaaagcc agtcttgagc ttcaggagga 240 |
| tgtgcaggaa | atgaatgccg tgaggaaaga ggttgctgaa acctcagcag gccccagtgt 300 |
| ggttagtgtg | aaaaccgatg gaggggatcc cagtggactg ctgaagaact tccaggacat 360 |
| tatgcaaaag | caaagaccan aaaaaaaaaa nnaaaaaaaaaa aaagcttgta cc 412       |

<210> 493  
 <211> 633



<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(633)  
<223> n = A,T,C or G

```

<400> 493
acactggcca gtgtgtttttt ggcgattaaa cataatcctg tgaatcagat taattcactt      60
gctgagtgtt catttgcggc atccctctgt tgggtcttgg gggccctcca cgacctcgtg      120
gggctccccg tgggccactc tgcccagagc ctcgcttgaa attctgctga tatccatccc      180
gttgatagcc agagtaatcc cggggagcac tgaactgaga ctgtgtataa ccactgtttg      240
gagtgttaga gaatgaaggg cggttaaccat natatcctcc tctgaatcca ttggcagggc      300
ccccgtatcc attcatcaag cctctagcac cacgggagcc ttcacgagac gcaccacgac      360
tattgtaata ggggctgatt gctacgtgga aatncagtgt tctgctgaag aagctgctgg      420
tgggtaccag tcacttgatg ggactgggtc gggggaaccc atggtaaagt gcccaaccac      480
tgggtgnaac ttgtcttgct tgaanctctg gttgggtctac cttggggaag cttgactaaa      540
aaaacttttg gtataaattg ggctgggacc ccctangggg gcaaccctgg gccanntttt      600
tcctnannct taaaaagggg ggggnatgaa ggn                                     633

```

<210> 494  
<211> 609  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(609)  
<223> n = A,T,C or G

```

<400> 494
acttaaaagg taaagtagta accaaagaga aaatccagga agccaaagat gtctacaaag      60
aacattttcca agatgatgtc tttaatgaaa agggatggaa ctacattctt gagaagtatg      120
atgggcatct tccaatagaa ataaaagctg ttccctgaggg ctttgtcatt cccagaggaa      180
atgttctctt cacgggtggaa aacacagatc cagagtgtta ctggcttaca aattggattg      240
agactattct tgttcagtc tggatatcaa tcacagtggc cacaaattct agagagcaga      300
agaaaaatatt ggccaaatat ttgttagaaa cttctggtaa cttagatggg ctggaatata      360
agttacatga ttttggctac agaggagtct cttcccaaga gactgctggc ataggagcat      420
ctgctcactt ggttaacttc aaaggaacag atacagtagc aggacttgct ctaattaaaa      480
aatattatgg aacgaaagat nctgttccag ctattctggt ccacagcaga acacagtacc      540
ttggccgnga cnacnctaag gcgaaatccg ccactggggg gccgttataa nggatcccnc      600
ttnggaccn                                     609

```

<210> 495  
<211> 606  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(606)  
<223> n = A,T,C or G

<400> 495  
 ggtaccaagc tatctttgat aataccacta gtctgacgga taaacacctg gacccaatca 60  
 gggaaaatct gggaaagcac tggaaaaact gtgcccgtaa actgggcttc acacagtctc 120  
 agattgatga aattgaccat gactatgagc gagatggact gaaagaaaag gtttaccaga 180  
 tgctccaaaa gtgggtgatg aggggaaggca taaagggagc cacgggtgggg aagctggccc 240  
 aggcgctcca ccagtgttcc tggatcgacc ttctgagcag cttgatttac gtcagccaga 300  
 actaaccctg gatgggctac ggcagctgaa gtggacgcct cacttagtgg ataaccaccag 360  
 aaagttggct gcctcagagc attcagaatt ctgtcctcac tgataggggt tctgtgtctg 420  
 cagaaatttt gtttcctgta cctgccnggc ggncgctcaa agggcgaatt cacacactgc 480  
 ggccgtacta gtggatccaa ctcggaacaa cttggcgtaa tatggcatac tgtttctgng 540  
 ggaaatgtat ccgtccaatt cncccacata cganccganc ntaaaggtaa gcttggggcc 600  
 tataat 606

<210> 496  
 <211> 279  
 <212> DNA  
 <213> Homo sapiens

<400> 496  
 ggtactcaat gatgctggtc agcgacttcc acgggagaaa atcttgctga atgtccgtga 60  
 aatccttccc atatttttcc agggcttcct cgaaaagggtt ggcctctgat gcagaccact 120  
 cctccatctc gtccctgcag agcacgggccc cgccctgcgg caccagcgcc gagatggcct 180  
 tggagatgtc gtagatgttc ttgtggagag tatccatggc gtggaacagg gtgatgtctc 240  
 gggaggcagc tgcggcgctc atgtgcaggc tgggctgtc 279

<210> 497  
 <211> 633  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(633)  
 <223> n = A,T,C or G

<400> 497  
 ggtacacaac agggcaaaaag ctttttcgca agtcataaaa ttgagttgaa aataacttgt 60  
 tgattcagct acaggaagac aactaacaat taacaggctc atgaatatatt atgaataaag 120  
 tgccactaat tttattgtaa taagatataa atagaataaa tcctgacatg gatagtagct 180  
 tctgtgttct ctccatcctg agaacagaag ggccataaaa aaacaaaagaa gcattaccaa 240  
 aggggagttc tagaccacaca cggggaactc ctaatacaaa agcaacaaga aagacangta 300  
 agactttaaa agttgcagaa gtccctaagaa tagcgccaat gtagtaggcc ctttttaaca 360  
 acaacaaana ataaaaataa gagagagaga gaaattagaa atttangaag ttcattaaat 420  
 aactgggtact tatattcaag ggaattttatt agtggccagc ctantggggg acccagcntn 480  
 taggaaaaga cccttgaaaa ggaccttccc ncacctggga canaaggata gnaccgaccc 540  
 cccagggag nccgccttgg aaangggatc cnaacttgan gcttttttagg gtttcaaaan 600  
 tccttgctng gccccaangg gcaggnttt ntn 633

<210> 498  
 <211> 601  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(601)  
 <223> n = A,T,C or G

<400> 498  
 acattcttca gaacagtttt ggtcgtttta aaaaaatcac acatttataa gcagtgattt 60  
 caatcatggt taaaaacaaa aatattaaac aaattcattt cctaataccag atgatacaga 120  
 atccaagaaa tttctgtagg cacttcactt tccatagaac ttcttggtca gcaggatat 180  
 gagaaggttt acattcactt taaccttata aaacattttc attacagcta ctccttcata 240  
 ttgcatctga agtaaatcct gaatattgag ttgcaccttt tccatctcaa caccaaggaa 300  
 ttttgatctt acatcgaaaa tgcctacatc ttcagtagct atgatatcaa atgtaacatt 360  
 cttaaactgg tttgtttgaa gatcatctat atctagcagg acacctttct catgcagctt 420  
 tgctgcagtg tacaaactgc aggcctccatc ctctgtgggt cgcactatgt gcgcttttaa 480  
 aaaatattat ttctaataaa tctttgaagt taaaataccg ttctttcagt tggnccaaaa 540  
 aaaaannnnn nnnanganag aanngnaang aaagtggggt gnnnttgggg nggaaaaacn 600  
 n 601

<210> 499  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens

<400> 499  
 ggtactcaag cttttgacct catgccttgt gtagtaaaaa aggatttggg ggttttgttt 60  
 ggttcctgag aggggtgtgt tttgtttttg ttctcttttg tttatgtttt ggcctttcct 120  
 ctttgtcttt ccatgtagac cagatatttg aaagggcaga cgatggctag aggtgtaatg 180  
 tgcagcttgt ttatacggtt ttttgggaaa cttaccttgg atgggaaatc gaatcgtgga 240  
 ttcaccaggc cggtgctggc acactcacc ctcgcccttc cctccggttc agt 293

<210> 500  
 <211> 630  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(630)  
 <223> n = A,T,C or G

<400> 500  
 ggggtactcat gaattcaagc cacagagtgg agcagagatc aaagaagggt gtgaaacaca 60  
 taagggttgcc aacacaagtt cttttcacac aactccaaac acatcactgg gaatggttca 120  
 ggcaacgccca tccaaagtgc agccatcacc caccgtgcac acaaaagaag cattaggttt 180  
 catcatgaat atgtttcagg ctctacact tctgatatt tctgatgaca aagatgaatg 240  
 gcaatctcta gatcaaaatg aagatgcatt tgaagccag tttcaaaaaa atgtaaggtc 300  
 atctggggct tggggagtca ataagatcat ctcttctttg ncatctgctt ttcattgtgt 360  
 tgaagatgga aacaaagaaa attatggatt accacagcct aaaaataaac ccacaggagc 420  
 caggaccttt ggagaacgct ctgtcacaga cttncttcaa acccaaggag gaagtgcctn 480  
 atgctgaaaa gttttggatg actcaactgg atgggggtatt ccctgnaacc aaaacctggn 540  
 acccaagtcc ttaaaanccn nggagactta cattntgntg nacaatttgg gttaaaccnn 600  
 ttcncaaagc tttccatggg ggcangggcc 630

<210> 501  
 <211> 240  
 <212> DNA  
 <213> Homo sapiens

<400> 501  
 acatctgaaa tcccccccaa acccagaaag cttttcaaca gctaggttgt ccaagaactt 60  
 ggaaaattca ccttctgatg tcctccaaga cagattccat tttttatata ccttattttgc 120  
 tcagacctgt aacttcagcc tggagtgaac acagacacct agttttcctc aaactcctct 180  
 tgggcttttag agagaagggtg ctggcccttt gagccaagca ggttattggt tagtagtacc 240

<210> 502  
 <211> 481  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(481)  
 <223> n = A,T,C or G

<400> 502  
 ggtacctgtt cttctatcca aacctttcaa ttcagtctac ctgattcatt tatttgacat 60  
 agatcttagg cccacttgaa ctcttttctt gtttatctag catagcacia acgtttttcc 120  
 agtcttcttt atcaacacta atgcctctta attgcatcag tatttcctat tggaaaatac 180  
 atctgttcca gaaaaacatt tggcattcct gaataatttc caaatgtttt taatccaaag 240  
 aaaaagggtt aaagcttatt tccctttctt atacacacct gaataaaaat gatgtgcatg 300  
 ttttagggat caattaccta actgttcctt ggtctattta tgtataagaa tgctttttta 360  
 agcacatgtc tcattttaaa tgacgcacaa actgaagatg ttaataaaat ttaagagtaa 420  
 tacaatgaaa aatattantn tttnnanatan aaaagcttgg acctgcnng gcggccgntc 480  
 g 481

<210> 503  
 <211> 643  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(643)  
 <223> n = A,T,C or G

<400> 503  
 ggtactgcat tatttgagaa gctgctcaac ttgcaaaatc agttttcctc tcaataaaat 60  
 tatagtctta atgtttgcat ataagggaag tagttatcat gtttagtaata cctctaatag 120  
 tataaaccac accccaaaat tagccagtaa tcctgtagga aggtacaagt ctcagactaa 180  
 gtttttagcc acttgtcaaa ttcagtttta aatgcttaga aaacactgag gacacctatt 240  
 gaggagggag gggggaaggc cacctgtaaa ggagtccaaa gtatgtgctg gagcagatga 300  
 tgacaaagac agaacatcta agaagataga catggaggaa agggagtagt atttcacac 360  
 actatgacat tgaaaattca atcatttatg ataggatttt gatccactgc cattactacc 420  
 ttgtgggaaa aatctnccaa tgaaaagggt gaaaaattca ttctccaaaa attggcccng 480  
 ttttaangag aaaatttttag agcagcaccn ttaaaccatg ccgggaactt tggtttaaca 540

aaatatngtg gggccccc aaaagctcctgt tgcttttagg cctcnagaga tttaccaga 600  
acttaaagggn ttncnctggc cttgttcctt aangttgaaa acc 643

<210> 504  
<211> 624  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(624)  
<223> n = A,T,C or G

<400> 504  
ggtactgcat tatattgagaa gctgctcaac ttgcaaaatc agttttcctc tcaataaaat 60  
tatagctcta atgttttgcata ataaggggaag tagttatcat gtttagtaata cctctaataag 120  
tataaaccccc acccccaaaat tagccagtaa tcctgtagga aggtacaagt ctcagactaa 180  
gttttttagcc acttgtcaaaa ttcagtttta aatgcttaga aaacactgag gacacctatt 240  
gaggagggaag ggggggaaggt cacctgtaaa ggagtccaaa gtatgtgctg gagcagatga 300  
tgacaaagac agaacatcta agaagataga catggaggaa agggagtagt atttccacac 360  
actatgacat tgaaaattca atcatttatg ataggatttt gatccactgn ccattactac 420  
cttgtgggaa aaatccttca caatgaaaag gggtgaaaaa ttcattcttc caaaattggc 480  
ccnngtttta aggagaaaaat nttagagccg ccccttaanc ctgcccggaa cttggnttta 540  
ccaaatntca gggngncccc aaancttct gntgccttta ngncntncan agacttnacc 600  
cnngaacttc naggntttnc ctng 624

<210> 505  
<211> 652  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(652)  
<223> n = A,T,C or G

<400> 505  
acaagctaca aatgcttggt cagcagctga ggggcactct tgagtagcgt gtctgaagag 60  
tgaataaaaaa tccatataaa acaaataattc aaatagtttc cataggaaca cagataagt 120  
tgaccatata cctagtcttc catatggctg catcatggcg accctactct taaaaagaca 180  
tttcaaaact agcagtaatt aagttacatg gtcccccaa atcccttaat tcaagctaaa 240  
cttgcaagta acagctacca gagggtatc tacacattaa tactagcccg aagcacaggc 300  
tgctctgtgg cgtttcatcc cactctccca ggcacaagac acaggcaggg tgctggcatc 360  
ctgttcctct acttcgggtg gggaaagtgc gggttctgga attgctgcat gaggttgccac 420  
gcaggccctg acatcacata gtaanatcgt ccggcctttt gggaaaccca ttgnacctan 480  
aaggcancna gcaaccagt gtaagccgcc ccaaggtttt cnaaagagcc ttccaatna 540  
cccccatgc cnttttaang gcnnnggttac caagggttn aaaaaatccg atttnanggg 600  
centtacaag gttggggccc ccanaatgcn cggatngnaa aaaaanacctt tt 652

<210> 506  
<211> 545  
<212> DNA  
<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(545)  
 <223> n = A,T,C or G

<400> 506  
 acaagctttt tttttttttt tttttttttt tttttttatc taaaagtgcc caggtgggct 60  
 taaggctgcc anactgcacg cacatctaca gcaacaaggg cttctattcc atctacaact 120  
 tggatcgggg gaaaagggag atgtaggaga ggaaggaaaa aagaggggaa aaatatacca 180  
 ccaaccctcc cccacaaaaa aagggaaaaa aaaaaatccc accacaggga gatctatgtg 240  
 ccaagcataa tggaagagtg tgctccccaac acagatgggt ttgcacaggc taatgttctg 300  
 ctggttttcc ttagagacct attttgaaaa agtttaaaaa gacaggagat ttcaaaaataa 360  
 ttcaatcctg gcagaaattc aaactccaaa actaggagca aaatcatcct tcaactgaatt 420  
 aattcctttt ctctttctct tttcttaaac attttattca ttttatagaa agatttcttt 480  
 ttttgngtgc ntttgggtcca atcntttgga nantgggtga aggagtacct tggncngngan 540  
 ccccc 545

<210> 507  
 <211> 625  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(625)  
 <223> n = A,T,C or G

<400> 507  
 acctgtctct ctgccttctg gaggtctctt aggattggaa aagttcaaga aacccgaggg 60  
 aagctgggac tgtgaattgt gcctagtgca gaataaggca gactctacca aatgtttggc 120  
 atgtgaaagt gcaaagccag gcacaaaatc tgggtttaaa ggctttgaca catcttctctc 180  
 atcttcgaac tcagcagcct cctcatcctt caaatttggg gtctcatcat cctcttctg 240  
 gccttctcag actttaacaa gcactggaaa ttttaaatat ggagatcagg gaggattcaa 300  
 aataggtgtg tcatctgatt ctgggtctat aaaccccatg agtgaaggct ttaaattttc 360  
 taaaccaata ggagatttta aatttggagt ttcacttgaa tctaagcccg aagaagttaa 420  
 aaaagatagt aagaatgata atttttaagt ttggacttct ttggtttaac caccagttt 480  
 ctttaacttc atttcaattg gggatcttaa tcttggacag gaagaaaaag aaagangaac 540  
 ctggcccaaa tctttcctnt gcaggnttta nccttnggac ccttggccgc naaccaccct 600  
 aaggggggaa ttccnnacac tgggg 625

<210> 508  
 <211> 612  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(612)  
 <223> n = A,T,C or G

<400> 508  
 ggtcgaagac agaggttcag gtcgttccag gggtagagga ggcattgaagg atgaccgtcg 60

|            |            |            |             |            |             |     |
|------------|------------|------------|-------------|------------|-------------|-----|
| ggacagatac | tctgcgggca | aaaggggtgg | atttaatacc  | tttagagaca | gggaaaatta  | 120 |
| tgacagaggt | tactctagcc | tgcttaaaag | agattttggg  | gcaaaaactc | agaatggtgt  | 180 |
| ttacagtgtc | gcaaattaca | ccaatgggag | ctttgggaagt | aattttgtgt | ctgctgggtat | 240 |
| acagaccagt | tttaggactg | gtaatccaac | agggacttac  | cagaatggtt | atgatagcac  | 300 |
| tcagcaatac | ggaagtaatg | ttccaaatat | gcacaatggg  | atgaaccaac | aggcatatgc  | 360 |
| atatcctgct | actgcagctg | cacctatgat | tggttatcca  | atgccaacag | gatattccca  | 420 |
| ataagacttt | agaagtatat | gtaaatgnct | ggttttcata  | attgctcttt | atatgggng   | 480 |
| gtatctgacc | agatagtatt | ttaagaaaca | tgggaattgc  | anaaatgact | gnagtgcaan  | 540 |
| agtaattntn | gggcactttt | cgtttttaag | ntggaaattc  | nctacanttc | ctgaaccant  | 600 |
| ttanggtttt | tt         |            |             |            |             | 612 |

<210> 509  
 <211> 473  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(473)  
 <223> n = A,T,C or G

|            |             |
|------------|-------------|
| <400> 509  |             |
| cttgggtctg | aaagtcgatg  |
| ataaactatg | atacggagat  |
| ttttgatgaa | tccatagtca  |
| aacaggaaaa | gaaaataaat  |
| caaacctgta | aaaaggggtt  |
| agaagaagtt | ggaaagcttc  |
| ctnatagatg | tatcctgagt  |
| ccaccccggt | aaggctaata  |
| aaggacgcga | ttacctgcga  |
| ggtaacctaa | ctgagcaaac  |
| acacgttgcg | aattgaaaca  |
| tcagtagtgg | cgagcgaaaag |
| ttacattgag | ttacaaaatt  |
| gtgatattcc | tgtatacgaa  |
| accgtgaaac | cctgtctgaa  |
| accgatagt  | aactagtacc  |
| tng        |             |

<210> 510  
 <211> 632  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(632)  
 <223> n = A,T,C or G

|             |             |
|-------------|-------------|
| <400> 510   |             |
| ggtacctatg  | tggattccaa  |
| aacaattacc  | atcacacaaa  |
| tttgggatgg  | tccgcgatct  |
| cctatacgct  | agaagaattt  |
| tttgggtatga | ctggatgagg  |
| tgactgaggc  | caaagccaag  |
| gcctccggct  | gatcaagtct  |
| catcacaggc  | tttcatagaa  |
| tttatgctaa  | gtttgaattt  |
| cttgtgggtg  | cttggnggta  |
| cctcttcang  | ggtggggnaa  |
| gagcctgata  | gcattcttgt  |
| gccatacttt  | ttgtgcctcg  |
| ggcactgatg  | gagcaatagc  |
| caacatcttc  | taccaaaaaat |
| ccctcacatg  | cacagcttca  |
| agcaagaaca  | aggttcgggg  |
| cctgcagaaa  | ttgaacgaat  |
| accatgttna  | ccagtaaaaag |
| gaatgcccgg  | ctcgtggcgc  |
| attcgggncca | aacactttgc  |
| nggggctttt  | gg          |
| ccttcagagc  | ctccctggca  |
| gcgagatccc  | agtcgagaac  |
| tctaactgga  | gtagacgaag  |
| gaaagctgag  | acgaacatgg  |
| ctctgactat  | atgcagcccc  |
| tggttcagcag | ctgatacagc  |
| gcagattgct  | gggaagctga  |
| cccctgtgga  | agaacctntc  |
| agacatttta  | acctattcan  |
| ncttttgtga  | aaaaaaatcn  |

<210> 511  
 <211> 616  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(616)  
 <223> n = A,T,C or G

<400> 511  
 acagaaccta aaggtttcac tgaatgcgaa atgacgaaat ctagcccttt gaaaataaca 60  
 ttgttttttag aagaggacaa atccttaaaa gtaacatcag acccaaaggt tgagcagaaa 120  
 attgaagtga tacgtgaaat tgagatgagt gtggatgatg atgatatcaa tagttcgaaa 180  
 gtaattaatg acctcttcag tgatgtccta gaggaagggt aactagatat ggagaagagc 240  
 caagaggaga tggatcaagc attagcagaa agcagcgaag aacaggaaga tgcactgaat 300  
 atctcctcaa tgtctttact tgcaccattg gcacaaacag ttggtgtggt aagtccagag 360  
 agtttagtgt ccacacctag actggaattg aaagacacca gcagaagtga tgaaagtcca 420  
 aaaccaggaa aattccaaag aactcgtgtc cctcgagctg aatctggtga tagcccttgg 480  
 ttctgaagat cgtgacttct ttacagcatt gatgcatata gatctcaaag attnanagaa 540  
 acnggaatgt ccatcaataa acnaggatgat tgttnggaag gaagatgttc tttttaaaaa 600  
 tnaatgtttn atntng 616

<210> 512  
 <211> 619  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(619)  
 <223> n = A,T,C or G

<400> 512  
 ggtaccggtc tttctcaa atcatcagca cctcfaatcc cactgctaaa cgacatttgg 60  
 tcctcgcttg ccactatgac tccaagtatt tttccactg gaacaacaga gtgtttgtag 120  
 gagccactga ttcagccgtg ccattgtgcaa tgatgttgga acttgctcgt gccttagaca 180  
 agaaactcct ttccttaaag actgtttcag actccaagcc agatttgtca ctccagctga 240  
 tcttctttga tgggtgaagag gcttttcttc actggtctcc tcaagattct ctctatgggt 300  
 ctcgacactt agctgcaaag atggcatcga ccccgacccc acctggagcg agaggcacca 360  
 gccaaactgca tggcatggat ttattggtct tattggattt gattggagct ccaaacccaa 420  
 cgtttcccaa tttttttcca aactcagcca ggtggttcga aagacttcaa gcaattgaac 480  
 atgaacttca tgaattgggt tgcttcaagg atcactcttt tgggaaggcg ggatttncgg 540  
 aaatacnggt tttggaggng tgaatcaggg atgacntat tcccttttta anaaaaaggg 600  
 gttccentnt gentntggn 619

<210> 513  
 <211> 175  
 <212> DNA  
 <213> Homo sapiens

<400> 513



|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| ggtacatcct | cggccgggag | tccccactgt | ctctctacaa | tgaggagctg  | gtgagcatga | 60  |
| acgtgcagg  | tgattatgag | ccaactgatg | ccaccgggtt | catcaacatc  | aattccctca | 120 |
| ggctgaagga | atatcatcgt | ctccagagca | aggtcactgc | caaataagacc | cgtgt      | 175 |

<210> 514  
 <211> 597  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(597)  
 <223> n = A,T,C or G

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 514  |            |            |            |            |            |     |
| actagttact | gcatctgatt | ttacagacag | agaagagtca | aggcccagag | agcagacagc | 60  |
| tcaccccaac | atcacacagc | agtcagctgc | gaggggcttg | gtgctactca | gatttctcct | 120 |
| aagaatgttt | ggaaacaacc | tgagggagag | ttaagtaata | aaggaaaatc | acaaacagag | 180 |
| acagagaccc | agaaagggac | tcacgggaat | aaaagcagaa | agtgcagag  | atacatagag | 240 |
| atgatgagac | agagacagag | agatcagaga | tagggttcag | aaaaaaagaa | gagagaggct | 300 |
| gggcacagtt | gctcacgcca | gtaatcccag | cactttgaga | ggcggagatg | ggaggatctc | 360 |
| ttgagcccag | gagtttgaga | ccagcctgga | cagcatagta | agaccccatc | tttattttaa | 420 |
| aaaaagtttt | attaatttaa | aaaaaatgcc | nagagagata | acccccnta  | gaaggttgga | 480 |
| aagccaaaag | ctttttgggg | gcttaaaagn | accccaaccc | ggnccnggga | ganagggttt | 540 |
| tttttgaggg | aanaatccgg | ttcttgacca | ngcttaanng | gcctatttcc | aaaaaac    | 597 |

<210> 515  
 <211> 574  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(574)  
 <223> n = A,T,C or G

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| <400> 515  |            |             |            |            |            |     |
| ggtacactgg | ttgatatgaa | gattgaattt  | ggtgttgatg | taaccaccaa | agaaattggt | 60  |
| cttgctgatg | ttattgacaa | tgattcctgg  | agactctggc | catcaggaga | togaagccaa | 120 |
| cagaaagaca | aacagtctta | tcgggacctc  | aaagaagtaa | ctcctgaagg | gctccaaatg | 180 |
| gtaaagaaaa | actttgagtg | ggttgacagag | agagtagagt | tgcttttgaa | atcagaaagt | 240 |
| cagtgcagg  | ttgtagtgtt | gatgggctct  | acttctgata | ttggtcactg | tgaaaaaatc | 300 |
| aagaaggcct | gtggaaattt | tggcattcca  | tgtgaacttc | gagtaacatc | tgcgcataaa | 360 |
| ggaccagatg | aaactctgag | gattaaaagt  | gagtatgaag | gggatggcat | tcctactgta | 420 |
| tttgtggcag | tggcaggcag | aagtaatggt  | tngggaccag | tgatgtctgg | gaacactgca | 480 |
| tatnccgtta | tnagctggcn | tcncttanac  | caactgggga | agttcaggat | gtgtgggctt | 540 |
| ctctttgact | nccaatggnc | ttggctntca  | accn       |            |            | 574 |

<210> 516  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(450)  
 <223> n = A,T,C or G

<400> 516  
 aaaaaggcgt aaagcggaaa gcagatacta ccacccctac acctacagcc atcttggctc 60  
 ctgggttctcc agctagccct cctgggagtc ttgagcctaa ggcagcacgg ctcccccta 120  
 tgcgtagaga gagtggtcgc cccatcaagc cccacgcaa agacttgctt gactctcagc 180  
 aacaacacca gagctctaag aaaggaaagc tttcagaaca gttaaaacat tgcaatggca 240  
 ttttgaagga gttactctct aagaagcatg ctgcctatgc ttggcctttc tataaaccag 300  
 tggatgcttc tgcacttggc ctgcatgact accatgacat cattaagcac cccatggacc 360  
 tcagcactgt caagcggaaag atggagaacc gtgattaccg ggatgcacag gagtttgctg 420  
 ctgatgtacc tcgggcgcga acacgcttan 450

<210> 517  
 <211> 611  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(611)  
 <223> n = A,T,C or G

<400> 517  
 actcctctga ggactacatt aagtcaggag ctcttcttgc ctgtggcata gtgaactctg 60  
 ggggtccgaa tgagtgtgac cctgctctgg cactgctctc agactatgtt ctccacaaca 120  
 gcaacaccat gagacttggg tccatctttg ggctaggctt ggcttatgct ggctcaaatc 180  
 gtgaagatgt cctaacactg ctgctgcctg tgatgggaga ttcaaagtcc agcatggagg 240  
 tggcaggtgt cacagcttta gctgtggaa tgatagcagt agggctctgc aatggagatg 300  
 taacttccac tatecttcag accatcatgg agaagtcaga gactgagctc aaggatactt 360  
 atgctcgttg gcttctctct ggactgggtc tcaaccacct ggggaagggt gaggccatcg 420  
 angcaatcct ggctgcactg gaaggtgngc anaacnttt cgcanttttg nccacacacc 480  
 tggnggatgt gtngcctat tcncgctttt ggnanatgcc tnaagggcna caaattggctc 540  
 caatttgnnn nnaacctttg cctccaaaga aagggggaaa naaaagtttc ccccnannngg 600  
 gggcgggccc c 611

<210> 518  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<400> 518  
 ggtgatttat ctaatcagaa ctcttcagat caggcaaatg aagaatggga aacagcttct 60  
 gaaagcagtg atttcaatga gaggcgagag agggatgaaa aaaaaaatgc tgacttgaat 120  
 gcacaaacag ttgtaaaggt tggagagaat gttctacctc caaagaggga aattgcaaag 180  
 agaagttttt ctagtcagag accagtagat cgtcagaatc gacgtggcaa caatgggtcca 240  
 cccaaatcag gaaggaattt ctcaggtcct agaaatgaaa ggagaagtgg cccaccatca 300  
 aaaagtggga agagagggcc atttgatgac cagcctgcag gcacaactgg ggttgacctc 360  
 atcaatggca gctctgcaca ccatcaggaa ggagt 395

<210> 519

<211> 626  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(626)  
 <223> n = A,T,C or G

<400> 519  
 ggtaccgaaa gcacagtaat cactgggtgtc gatattgtca tgaaccatca cctgcaggaa 60  
 acaagtttca caaaagaagc ctacaagaag tactgatttt aaaaactaat aacttaaaac 120  
 tgccacacgc aaaaaagaaa accaaagtgg tccacaaaac atttcctttt ccttctgaag 180  
 gttttacgat gcattgttat cattaaccag tcttttacta ctaaacttaa atggccaatt 240  
 gaaacaaaca gttctgagac cgttcttcca ccactgatta agagtgggtt ggcaggtatt 300  
 agggataata ttcatttagc cttctgagct ttctgggcag acttggtgac cttgccagct 360  
 ccagcagcct tcttgccact gctttgatga caccaccgc aactgtctgn ctcatatcac 420  
 gaacagcaaa gcgacccaaa ngtggatagt ctgagaagct nttcaacaca catnggcttt 480  
 gccaggaanc nttntacca tgggagcatt cccngacttt tagnaataa agggcctttt 540  
 tcacttttta acccaaacgg ggaaaaattt ttncctttaag ttaanaaaact tgcnntgcaa 600  
 tggaanccgn ngggaatcca atacgg 626

<210> 520  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 520  
 ggtaccgaag catctagtct ggaactgaca gagataaata gagaaaatgt tccaaagtct 60  
 ggcacgcccc agcttaggct gccattcgct gcaagggtga acaccccat gggccctgga 120  
 cgaactgtcg tcgttaaagg agaagtgaat gcaaatgcca aaagctttaa tgttgaccta 180  
 cttagcaggaa aatcaaagga tattgtctcta cacttgaacc cacgcctgaa tattaaagca 240  
 tttgtaagaa attcttttct tcaggagtcc tggggagaag aagagagaaa tattacctct 300  
 ttcccattta gtccctgggat gt 322

<210> 521  
 <211> 613  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(613)  
 <223> n = A,T,C or G

<400> 521  
 ggtaccatcc tcatctcggt gggatgtgca gttttctgtg cccttatcgt ctggttcttt 60  
 gtatgtccca ggatgaagag aaaaattgaa cgagaaataa agtgtagtcc ttctgaaagc 120  
 cccttaattg aaaaaaagaa tagcttgaaa gaagaccatg aagaaacaaa gttgtctgtt 180  
 ggtgatattg aaaacaagca tcctgtttct gaggtagggc ctgccactgt gcccctccag 240  
 gctgtggtgg aggagagaac agtctcattc aaacttggag atttggagga agctccagag 300  
 agagagaggc ttcccagcgt ggacttgaaa gaggaacca gcatagatag caccgtgaat 360  
 ggtgcagtgc agttgcctaa tgggaacctt gtccagttca gtcaaagccg tcagcaacca 420

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| aataaaactnc | agtggccact | accagtatca | caccgtgcat | aaaggattcc | gggctgtanc | 480 |
| ttgccccgcc  | ggccgtntaa | aggcgaattc | cagncacttg | ggggccgntc | taaagggatn | 540 |
| ccactttggn  | ccaacnttgg | gggaatctng | ggcaaantng | tccctgngna | aatggtatcc | 600 |
| gtcaaatncc  | cnn        |            |            |            |            | 613 |

<210> 522  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens

|            |             |            |             |            |            |     |
|------------|-------------|------------|-------------|------------|------------|-----|
| <400> 522  |             |            |             |            |            |     |
| accaggagg  | catgacattg  | cttttgttga | atttgaaaat  | gatgggcagg | ctggagctgc | 60  |
| cagggatgct | ttacagggat  | ttaagatcac | accgtcccat  | gctatgaaga | tcacctatgc | 120 |
| caagaaataa | cattttgggat | agtcgtcttt | aaaagacttg  | gtgttattta | cagtgtttgt | 180 |
| tttgataaca | tttggtctggg | tcattttaat | agttagagat  | gaggaggagt | aaaagtgaag | 240 |
| tttttgtgaa | ggacttaaat  | tatccagtg  | ttcttttagcc | ttggtgaact | atgaaatacg | 300 |
| aaggccttaa | ttttgtacc   |            |             |            |            | 319 |

<210> 523  
 <211> 589  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(589)  
 <223> n = A,T,C or G

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| <400> 523  |            |            |            |             |            |     |
| acagcgcgcg | gctctacacg | cttgggtagc | gggataagtc | actgttttct  | ttattttctt | 60  |
| aaaaaaaaaa | aagttctgtt | gcaaacgact | gctgttggat | tctgaggggtg | gggagggaga | 120 |
| gagagggagg | gagagggagt | gaagagcctg | ccctcctata | tggattcttc  | agggccctcc | 180 |
| acatctgagg | tggctcattc | ccatcacaca | cagattgtcc | tgggtgttcat | ttcaaggcca | 240 |
| gtgttcagca | gcagcgtttg | gaaagcaggt | tctgtgggac | cccccgcccc  | gccccacac  | 300 |
| tccttcatag | cagcagtagt | ggcttctcca | tcctgntttc | tgcaacattc  | tatacaaaac | 360 |
| tgtgctgtga | ccttgccgga | agcctggatc | tggcaaagag | aatcaaatga  | aacccttct  | 420 |
| ttctcttttc | gtccacaact | ctgtanaact | ntntgnaccc | ttaccctttt  | ccaccttttg | 480 |
| gattnaattt | taaggccgtg | nanctttggc | cggaaacacc | ttagggcnaa  | ttcnnnccat | 540 |
| tgggggccgt | ctaagggann | ccaattggnc | caanttgggn | aacangggn   |            | 589 |

<210> 524  
 <211> 621  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(621)  
 <223> n = A,T,C or G

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 524  |            |            |            |            |            |     |
| ggtacattgg | agagatctcg | cctactgccc | tgcggggtgc | ctttggcact | ctcaaccage | 60  |
| tgggcatcgt | tggttgaatt | ctggtggccc | agatctttgg | tctggaattc | atccttgggt | 120 |

|             |             |            |            |            |            |     |
|-------------|-------------|------------|------------|------------|------------|-----|
| ctgaagagct  | atggccgctg  | ctactggggt | ttaccatcct | tcttgcctac | ctacaaagtg | 180 |
| cagcccttcc  | attttgccct  | gaaagtccca | gatttttgc  | cattaacaga | aaagaagagg | 240 |
| agaatgctaa  | gcagatcctc  | cagcgggtgt | ggggcaccca | ggatgtatcc | caagacatcc | 300 |
| aggagatgaa  | agatgagagt  | gcaaggatgt | cacaagaaaa | gcaagtcacc | gtgctagagc | 360 |
| tctttagagt  | gtcagctacc  | cgacagtcca | tcatcatttc | cattgtgctc | cagctctntc | 420 |
| gcagcttctt  | gggatcaatg  | ctgngttcta | atactacca  | ggaatcttca | aggatgcagg | 480 |
| tgggttaaaaa | ncccatattat | gccncccttg | ggccccggtg | gggtnaaacc | anacttnccn | 540 |
| nggaggnncc  | tnttttnnng  | ggggaanggc | cngaaaaaag | gncttcgcct | ttaaanngcc | 600 |
| cttgaggagg  | agnntttttt  | n          |            |            |            | 621 |

&lt;210&gt; 525

&lt;211&gt; 384

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 525

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| acagcacttt | gagaggacat | cactagacaa | gtaatacaca | catggcctgc | aggaggtcaa  | 60  |
| gggcgccgag | ggggctgggc | aggggacatt | tttgtgactt | ccactgttat | tatatattcac | 120 |
| gacaacagca | gcagcacaaa | tggtgtgctc | accactggag | aatgagagct | gctgagtctt  | 180 |
| gaggatggcg | agacagcctt | cctgcatttg | ctgctttagt | ttctgcttta | gagctaagtt  | 240 |
| ttatacagag | aataaaatga | ccatcttctc | ttacaaacac | gatgatgtat | gacccccacac | 300 |
| aacacaaggt | attatgaagt | atctgaaact | gaggataatc | tgactgaaga | tgcttgccga  | 360 |
| gagggtacct | cggccgcgcc | acgc       |            |            |             | 384 |

&lt;210&gt; 526

&lt;211&gt; 621

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (621)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 526

|             |             |            |            |             |             |     |
|-------------|-------------|------------|------------|-------------|-------------|-----|
| actgtagctc  | cccattgagat | gtgatgagta | tgccttcacc | cttgggtgtca | tactgggggtc | 60  |
| ttccggcacg  | tcccagcatc  | tgcagaatgt | ccagtgtctc | cagttctgtc  | caacgcccctt | 120 |
| tctctggact  | gtacaatgtc  | actgacggat | cctgccagct | gtttgtgtat  | gggggctgtg  | 180 |
| acggaaaacg  | caataattac  | ctgaccaagg | aggagtgcct | caagaaatgt  | gccactgtca  | 240 |
| cagagaatgn  | canggggtgac | ctggccacna | gcangaatgc | agcggattcc  | tctgcccag   | 300 |
| tgcttnagaa  | ggcagnattc  | tgaagactac | tncagcgata | tgttcaacta  | tgangaatac  | 360 |
| tgcacngtna  | accgcattna  | ctgggntttg | ncngtgcac  | cttonacgct  | ggtaccttcg  | 420 |
| gccccgggacc | acgcttaagg  | gcgaatncan | gnactactgg | ccgggtcggt  | actantngaa  | 480 |
| tccgagnttc  | gnnaccaagc  | tttgcgtaaa | atattgggca | taagttggnt  | ttctgngnga  | 540 |
| aaaatgggtan | atcngttnan  | aattcccnaa | tatatncanc | cngtnccttt  | aattntaaat  | 600 |
| ccggggggtnn | taantnantn  | n          |            |             |             | 621 |

&lt;210&gt; 527

&lt;211&gt; 611

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(611)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 527

|          |      |        |        |         |       |          |      |        |       |         |       |     |
|----------|------|--------|--------|---------|-------|----------|------|--------|-------|---------|-------|-----|
| acagctc  | atc  | cacttc | ctca   | tctgtaa | acc   | gatccccc | at   | ggttg  | tcagc | agctctc | ctta  | 60  |
| ggtaatt  | cttc | ctgaat | gggtg  | cctggt  | gctt  | cttcatc  | aaaa | gcaagc | aaaag | gcgtttc | tga   | 120 |
| tgacatc  | cttc | aggatc | ctgtg  | ccattta | aact  | tctcac   | aaaa | catggt | cagg  | aacatg  | gtga  | 180 |
| aattgat  | ggg  | ccctg  | ggggc  | tcattc  | atca  | tggcat   | caag | gtatg  | catca | gtggg   | attct | 240 |
| tccttag  | aga  | agcaag | cata   | tcatg   | caaat | cttcct   | tgtc | gatga  | agcca | tctct   | gttct | 300 |
| gatcaat  | cat  | ggtga  | aggcc  | tctttg  | aact  | cctgaat  | ctg  | tgattg | gtca  | aacatg  | ggcaa | 360 |
| acacatt  | gga  | tggtg  | cacgc  | tgaggg  | cgt   | tcttggt  | gggt | cttggt | cttt  | gcctttt | tgc   | 420 |
| ttcgacat | gg   | tggnt  | gggtta | attncg  | acgc  | ccaaac   | acca | gaaccc | gggg  | ccanc   | ctgcg | 480 |
| cganaac  | gca  | acaaaa | acct   | tnggc   | cgaa  | cacctt   | taag | gggaa  | atccc | nncact  | gggg  | 540 |
| ggccgtat | aa   | ngggan | ccna   | nttngg  | acca  | aacttg   | gngg | aaaaa  | anggg | aaaan   | ngttc | 600 |
| ctgngg   | aaan | n      |        |         |       |          |      |        |       |         |       | 611 |

&lt;210&gt; 528

&lt;211&gt; 593

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(593)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 528

|         |      |         |        |       |        |        |       |        |        |         |        |     |
|---------|------|---------|--------|-------|--------|--------|-------|--------|--------|---------|--------|-----|
| acaagct | tttt | tttt    | tttt   | taggt | tagtgg | gtgtt  | gagct | tgaac  | gcgtt  |         | 60     |     |
| cttaatt | gggt | ggctg   | cttt   | aggc  | ctacta | tgggt  | gttaa | at     | ttttt  | tact    | ctctct | 120 |
| ggttttt | tcc  | tagt    | gtccaa | agag  | ctgttc | ctctt  | tggac | taac   | agttaa | atttaca | agg    | 180 |
| ggatttt | agag | ggtt    | ctgtgg | gcaa  | atttaa | agttg  | aacta | agatt  | ctatc  | ttggaca | aacc   | 240 |
| agctatc | cacc | aggct   | cggta  | ggttt | gtcgc  | ctctac | ctat  | aaat   | cttccc | actattt | tgc    | 300 |
| tacatag | acg  | ggtg    | tgtct  | tttag | ctgnt  | cttag  | gtagc | tcgt   | ctgggt | tcgggg  | ggtct  | 360 |
| tancttt | ggc  | tctc    | cttgca | aagg  | tatttc | tagnta | aattc | attat  | gcnn   | aagnat  | angg   | 420 |
| gtaagcc | ctg  | ctatata | aagc   | ctggg | tataa  | attttc | ancc  | tttcc  | tttgn  | ggacc   | ctnng  | 480 |
| ccggaac | cacc | ctaagg  | gcga   | aatcc | ancca  | ctggg  | ggccc | tactaa | aggg   | atccca  | actt   | 540 |
| gggncca | aact | tggnn   | naaac  | cgggg | canaa  | nngt   | ccctg | ggnaa  | atggn  | anc     |        | 593 |

&lt;210&gt; 529

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 529

|          |      |         |      |        |        |        |       |         |      |       |       |     |
|----------|------|---------|------|--------|--------|--------|-------|---------|------|-------|-------|-----|
| accattg  | ggtg | gccaatt | gat  | ttgat  | ggtaa  | gggagg | ggatc | gttgac  | ctcg | tctgt | tatgt | 60  |
| aaaggat  | gcg  | tagggat | ggg  | agggc  | gatga  | ggact  | aggat | gatgg   | cggg | aggat | agttc | 120 |
| agacggt  | ttc  | tatttc  | ctga | gcgt   | ctgaga | tgtagt | tatt  | agttag  | tttt | gttgt | gagt  | 180 |
| ttaggaaa | ag   | ggcata  | cagg | actagg | gaagc  | agata  | aggaa | aatgatt | atg  | agggc | ggtat | 240 |
| catgaa   | agac | c       |      |        |        |        |       |         |      |       |       | 251 |

&lt;210&gt; 530

&lt;211&gt; 601

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(601)  
<223> n = A,T,C or G

```

<400> 530
acagtataaa atgtttccat aggaacacaa aagaaactgt cactagtggc ctgctgtcag      60
atggcttcta attcatcagt tagccatttt taggacacta gtccagctta ttgctacaat      120
cttcaagttg ttctagtcac ccaaattata atgaattcaa tgtataccag aattttacaa      180
taaaggctca aagagttata taatatacac caatatacac aaaacagcta ttctgagtaa      240
aatgaatatt ccatacttaa ataagaacca agaatagtaa ttttaggcta ctctattatc      300
cttgtgattg gtatttttaa aattttgagc aaagtgcaca gtgaatgaaa cagtcagcag      360
acacgatcct tctgtgaact ctcaaattcc tgccttagaa tcacgtcacc tgagaaatga      420
gaacctttga gacctggtgc atatcaaata gcttcacatg tcaaaccaca ggggccgctt      480
ggangccatt ctngggcaca ggangncaac tggttcnttn aaaatgggnc ccttncctgt      540
gcangggccc tgtgttaaag gcccacaaac cggcctcngg ggaaacaagg ttgntaatta      600
a                                                                                   601

```

<210> 531  
<211> 607  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(607)  
<223> n = A,T,C or G

```

<400> 531
ggtacaagct tttttttttt tttttttttt ttttttttct cagccttgga tttcttctta      60
gcttccttct gctttaagct cttggtctct tgtttccgct natttctggc ctgcccttgg      120
atagtagtct gacactctcc ccgttgaacc ttctgacctc tcttcttctt gcttttagca      180
atctttgctt tatcctcctc attcaatggt tcttgggcct ccagtttctt tagggggcgg      240
ttgtctgtct tgttcaatag ctacgtgatt ttgaccttag gtggccgacc tcgaccccggt      300
ttcaccttgg ggacttccct agtcttagcc ttctcagtgt ttcaaggctc accccgtttg      360
ccagtaattg cctgaatcct cgacgggatc tctctgctg aaagctgcac ccaactgcaag      420
ccctttggcg ngnetctttt cttcaaagaa atctccaaca nggcatacgg ggactgaanc      480
ttaanngctt nttggnggaa actgggnacc tggccgggca ngggcctntg ttttacctnc      540
tggnaatnaa aaggggaaat ncaaaaanttt accctnttna ccnngtttnt ggggtngggg      600
gaaaaang                                                                                   607

```

<210> 532  
<211> 608  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(608)  
<223> n = A,T,C or G

```

<400> 532
ggtactgaac aggtaagtca tccctcagcc agagattagt ctacttcttc catgcgtagt      60
gtgtcgtcat ctccctcaag ggggtggcatt tcttcagtta cagcagcact ggtatcatca      120
gcagtagggg catcttcac aatacccaga ccaagtttga tcacctgtga gatcctgtta      180
gcatgtgtct ggggatcttc cagactgaag ccagaagaca ggagcgcagt ttcataaagc      240
aagatgacca gatccttcac agacttgctg ttcttatcag cctctgcctt ttgccttaag      300
gtctcaataa tggaatggtc aggggtttatc tccagggtgt tctttgctgc catgtaaccc      360
attggttagt ngctcttagg gcttgagcctt tcatgattcg ctccatgttt gctgtccagc      420
catatgtgct tgnagacaatc agcatggaaa ntcaccaatc cggttgacac aaccacnttt      480
cactttttct ccaaanngcc ttcatgant ttcnnanggt ntcaaacttt gggttttcnc      540
ntnccgggtc nttnenttt ttaaaccctt nggaattccn gccttttttg ggacnnacnn      600
taagnttt                                     608

```

<210> 533

<211> 593

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(593)

<223> n = A,T,C or G

```

<400> 533
acacatttgc tgatggcttc tcaaaacctg agccgagaat aggggtctgat agcccagcca      60
agttttaaag cagacacaca cgaatgtagt atcgttgctg ctgaaatgac cattctgggt      120
tgtttagaat ccagaatcat caaaagccat gtggtatgag gaagtaataa atatcctctt      180
gaatcttctt accctatttt gcacaaatgg atggctgcat gaacagctct tgtaaatgct      240
tctgagtcca caccaataga aacctgcact cattctatag ctacagaggg tttgttggct      300
taaggggact ttatcatctc agcattaatt tcccttttaa agctattctc aagggttgac      360
tgtctcagag ataaacaaag aggaatcctt ttggcttaga agccaactgg cttactcaga      420
cttctcctt tctactcca attcccacac taccatanta tcntcttgac tagaaaatca      480
attatttacc tgacataagg gcaagtctat tctttttcca nnccttgccc tnggggacct      540
ggnaanaaaa atcctngcct ttttggaana agttttggga cnnngcttagg ttt          593

```

<210> 534

<211> 608

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(608)

<223> n = A,T,C or G

```

<400> 534
ggtacacttc tgtttatatt taaacaacaa agaaaaaagc atctacacac ttaaaaaatt      60
aattcaatat tcctaaatct attttaactc attttaaaat actacataca gaagccagaa      120
tgcagggtta agaatggaat aagggtggga gaagaagggg accacgaaga aaaacactta      180
gacaattact tgtctgttgt gggtaaagca acaggaatcc tgggagatac aagaaatcag      240
taacaacttt gctcataact gatattttcc cctcatgttt gtttttaata acgtccatat      300
gggtgctctc tgtatgctcc cttcactggc ctacgaggag gggccttnag cgacggcctg      360

```



|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| gtcccatgcc | agtcgcctcc | ggccataagc | ttcataagaa | tcttgaacct | ncccatgtcc | 420 |
| atagtcataa | tattctgagt | ccccctgact | ctggctgnaa | ataancttcg | tagccttnga | 480 |
| actttggtct | gcgnatgnat | natcatatnc | ctaattntca | naagnttntn | gngcccgaa  | 540 |
| ttggnggcaa | gggttctttn | ggaanccct  | tncengcctt | tggggnctgg | acnncctnan | 600 |
| agnggggg   |            |            |            |            |            | 608 |

<210> 535  
 <211> 603  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(603)  
 <223> n = A,T,C or G

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| <400> 535  |            |            |            |             |            |     |
| acaaagtgac | ccctcgctcc | tgccaccggt | ttgagcaagc | gttctacacc  | tatgacacgt | 60  |
| cttcacctag | tatcttgaca | ttgacagcca | ttcgccacca | tgtccttgga  | actatcacca | 120 |
| ccgacaaaat | gatggatgtc | actgtgacta | tcaagtcttc | catcgacagt  | gaacccgcct | 180 |
| tggtcttagg | ccctctgaag | tctgtgcagg | agctgaggag | ggagcagcag  | ctggctgaga | 240 |
| tcgaggcccg | caggcaggag | agggagaaaa | acggcaatga | ggaagggtga  | gaaagaatga | 300 |
| ccaagcctcc | cgtgcaggag | atggtagatg | agttacaagg | ccccttctcg  | tatgatttct | 360 |
| cttactgggc | gcnggnctgg | agagaaaatt | actgnttcac | ngtcactctna | agaactgctc | 420 |
| ttttatcccc | ctttcaatgg | aaagcncggt | gntcangtgg | gaagaaaagct | tgcncaaagg | 480 |
| aaanttggat | tcgagatncn | ccgggaaaag | gccaggcctg | gtttttaaaa  | agggcccnaa | 540 |
| tcccccccg  | nanttgnaaa | gggaatccna | aattggctct | ccntnngaaa  | aggggncaag | 600 |
| ttn        |            |            |            |             |            | 603 |

<210> 536  
 <211> 581  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(581)  
 <223> n = A,T,C or G

|            |             |             |             |            |            |     |
|------------|-------------|-------------|-------------|------------|------------|-----|
| <400> 536  |             |             |             |            |            |     |
| ggtactcctg | ggaggctttt  | gacagccacg  | ggcaggagag  | cagcggccag | cttcccgagg | 60  |
| agetctttct | gctgctccag  | tcttttggtca | tggctaccca  | cgaaaaggac | acggaagcca | 120 |
| tcaagtcgct | gcagggtggag | atgtggccac  | tgttgactgc  | tgagcagaac | cacctccttc | 180 |
| acctcgttct | acaagaaacc  | atctccccct  | caggacaggg  | agtctgatcc | atccatttca | 240 |
| cccagtgaat | tctttttgcc  | caggcctgga  | ctttttgcat  | cagtcacggt | aaccagatga | 300 |
| ctttgcctgt | taccaaacct  | catgcatcca  | cgttttgcgtc | tggggaggaa | taaaaagaca | 360 |
| tcgttcccg  | ttctgcgttt  | tgntattcct  | actgccgcca  | taggaattat | ttcgtggctg | 420 |
| aacgttacct | agcancccg   | gaacactttt  | ggatagaatt  | ngagttgagg | acattggctg | 480 |
| gcttttaaaa | ancccnctt   | ggaaatngna  | atncctttcg  | ntcctttctc | cggnggttcc | 540 |
| ncctnanggn | anttttggtt  | cgctttgntn  | caaagnagg   | g          |            | 581 |

<210> 537  
 <211> 568

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(568)  
<223> n = A,T,C or G

<400> 537  
 ggtacggact actccctca catgcgtcct acctgtgaaa ctctgggaag caggaaggcc 60  
 caagacctgg tgctggatac tatgtgtctg tccactgacg actgtcaagg cctcatttgc 120  
 agaggccacc ggagctaggg cactagcctg acttttaagg cagtgtgtct ttctgagcac 180  
 tgtagaccac gcccttggag ctgctggttt agccttgcac ctggggaaaag gatgtattta 240  
 tttgtatttt catatatcag ccaaaagctg aatggaaaag ttaagaacat tcctaggtgg 300  
 ccttattcta ataagtttct tctgtctggt ttgtttttca attgaaaagt aattaaataa 360  
 cagatttaga atctagttag agcctcctct ctggtgggtg gtggcattta aggggtcaaac 420  
 cancanaaaa tgcttgggtgc tggtnaaaa agctcangtg gctgctgtgg tggctnatgc 480  
 ctgnaatcca acattntggg aaggccaagc cggaaaactg ttnggccnng anttaaaaata 540  
 anctgggcac ntacaanntt cgttttnna 568

<210> 538  
<211> 598  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(598)  
<223> n = A,T,C or G

<400> 538  
 gggttttttt ttttttngtt catgtctttt attaaactcat acagttactt gtcttctggt 60  
 ttgttgaaac agtaagtcag acaacntttg ccacaataat gtctgtcaaa gtgacttgcc 120  
 ataaanaccc cancaccaca ttcatacataa gggcactctt gacgaaggcg actaattttg 180  
 ccattctatt tcaggacagc cagctaaacc ttctntctct tgtgcttatt cttcttggga 240  
 gtggtgtaag acttcttctt ctttttctta gcaccaccac gaagtcttaa cacatgatga 300  
 agantagact ccttttgaat attgtagtcn gacaagagtn catacatcat accaactttn 360  
 tanatacaca gctcagttaa ttagcttgat ggcacagtta tngttnggaa nagagangag 420  
 tgcancatan gnangagtga ngnggngatt cccacaattt tctnagaacn gaanagttag 480  
 nngaattagt aggtactgga aatgaaatnn ggcttagcct gnctggntta gaaanaagaa 540  
 ttcnaagccc tttgtcaana nttntcaaaa agtnacttta ngcctatntt gcgggnag 598

<210> 539  
<211> 607  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(607)  
<223> n = A,T,C or G

<400> 539

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| ggtacaggct  | ttaacagaaa | ttcaggagtt | catcagcttt | ataagcaaac | aaggcaattt | 60  |
| atcatctcaa  | gttcccccta | agagacttct | gaacacctgg | acaaacagat | atccagatgc | 120 |
| taaaaatggac | ccaatgaaca | tctgggatga | catcatcaca | aatcgatggt | tctttctcag | 180 |
| caaaatagag  | gagaagctta | cccctcttcc | agaagataat | agtatgaatg | tggatcaaga | 240 |
| tggagacccc  | agtacagga  | tggaagtgc  | agagcaggaa | gaagatatca | gctccctgat | 300 |
| caggagttgc  | aagttttcca | tgaaaatgaa | gatgatngac | agtgcccgga | agcagaacaa | 360 |
| tttctcactt  | gctatgaaaa | ctactgaagg | agcttgcata | aagagtcaaa | aaaccagaga | 420 |
| cgaattggct  | ggtgagctgg | ggtgccaaac | tactggcgnc | tggagccctt | taccggggag | 480 |
| cccggnccc   | anggnctgg  | cttganncag | gggcttcaat | tggccttgaa | aacnagtctt | 540 |
| ttttggttg   | attagnaacn | cacngtgtca | agctncttta | agccaaaaat | tntccnggnt | 600 |
| tttnccg     |            |            |            |            |            | 607 |

&lt;210&gt; 540

&lt;211&gt; 432

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(432)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 540

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| ggtactgac  | attctatttc | cccctctatt | gateccccacc | tccaaatata | tcatcaacaa | 60  |
| ccgactaat  | accacccaac | aatgactaat | caaactaacc  | tcaaaacaaa | tgataaccat | 120 |
| acacaacact | aaaggacgaa | cctgatctct | catactagta  | tccttaatca | tttttattgc | 180 |
| cacaactaac | ctcctcggac | tcctgcctca | ctcattttaca | ccaaccaccc | aactatctat | 240 |
| aaacctagcc | atggccatcc | ccttatgagc | gggcgcagtg  | attataggct | ttcgctctaa | 300 |
| gattaaaaat | gccctagccc | acttcttacc | acaaggcaca  | cctacacccc | ttatccccc  | 360 |
| actagttatt | atcgaaacca | tcagcctact | cattcaacca  | atagccctgg | ccgncctcgg | 420 |
| ncgtgaccac | gc         |            |             |            |            | 432 |

&lt;210&gt; 541

&lt;211&gt; 597

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(597)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 541

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| gggtaccggc  | gtgtcaaaaa | aatgtcagat | gacgaggacg | atgacgagga | ggaatatggc | 60  |
| aaggagggaac | atgaaaaaga | agctattgcg | gaagaaatct | tccaggatgg | ggaaggggaa | 120 |
| gaagggcagg  | aggccatgga | ggcccccatg | gctcctccag | aggaggagga | agaagatgat | 180 |
| gaggagtcag  | atattgacga | cttcattgtg | gatgatgatg | gacagcctct | gaaaaaacct | 240 |
| aagtggcgga  | aaaagcttcc | tggatacaca | gacgcggccc | tgcaagaagc | ccaggaaatc | 300 |
| ttcggtgtgg  | actttgacta | tgatgaattt | gagaaatata | atgagtatga | tgaagaactg | 360 |
| gaggaagagt  | atgagtatga | ggatgatgan | gctgatgggt | aaatccgatg | cccccccaga | 420 |
| agaccaccca  | gaaacngtgt | tgagcccntn | ggagcntttt | ttgaaatggg | ttganncccn | 480 |
| gtngggcttt  | naaagccnnc | nccttacnna | ttnggggect | tngantcccn | gccttncctt | 540 |
| gccttnaaag  | ggtccanntt | ccgttncttc | ccagtcangg | ggnttaaaaa | tnatnan    | 597 |

<210> 542  
 <211> 577  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(577)  
 <223> n = A,T,C or G

<400> 542

|             |            |             |             |            |            |     |
|-------------|------------|-------------|-------------|------------|------------|-----|
| gcccgaaggct | cagccagtct | ctattttaaga | aaattttaaca | aatacgagta | accctgtccc | 60  |
| aatcactgaa  | tctctagtta | ctactcttag  | aaacacctgt  | ggcttcttgg | ccctcctggt | 120 |
| gcccgtctctg | aatctctctg | cagtctacaa  | aatcgcccca  | gtcaactctc | cacttggagg | 180 |
| gaattgtcca  | gtgtggcccc | tagaattgag  | tcacccccta  | gataccaact | gtctgacccc | 240 |
| gaggagctct  | gtaagtccct | gctcctcctc  | ttcccttggg  | ggctgggtgt | gccactcagc | 300 |
| aataatcctc  | ttttctctgt | gctttcttag  | gtccctgtcc  | tctgtctttg | aggctgggta | 360 |
| ggaagcaaga  | gtcctgatct | ttcatgctgc  | acaatatgag  | catgcaaaaa | gctttttcca | 420 |
| gcagaacatg  | ttccctcgtc | tccagttgcc  | cggaaaagga  | atttggggga | tcaaagaact | 480 |
| tagcttggn   | taccccatgg | ttgagttctg  | gccttggaaa  | ancccaagcc | aagtnangga | 540 |
| ccnagacctt  | ggccggaaac | cnttaagggc  | aatteen     |            |            | 577 |

<210> 543  
 <211> 607  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(607)  
 <223> n = A,T,C or G

<400> 543

|             |            |            |            |             |            |     |
|-------------|------------|------------|------------|-------------|------------|-----|
| tcgagcggcc  | gtccggcagg | tacattattg | ggcctcattt | gcccagcaac  | ggggcatcca | 60  |
| gattgagtgc  | agtcagggcc | atgtcttcac | tcgggggact | cancaggcct  | atacctcaag | 120 |
| caggcacagt  | gatgcggcgc | cttatctctg | attggagtgt | taccanagtg  | gtgagtgacc | 180 |
| taagtcagggt | gaccgttcac | ctgatggcct | cacccactga | agagaatgct  | gatcactgtc | 240 |
| ttgatccctt  | ggtaacaaag | acccacctgc | tgagcttgtc | ctccctcacc  | taccaacggn | 300 |
| ntancaattc  | gcacagctga | cgaggagctc | tctgntcgtg | atgggggatcc | tacctttcat | 360 |
| acanatcagc  | tgcacttagt | nnanttacng | atttctggac | aaactaccaa  | tcganacatt | 420 |
| gcctttgggt  | aattgatggg | tcctnnggcc | gngacaanct | taggggcgaa  | tttccatnca | 480 |
| actgggcggg  | ccgntactan | cngnatccta | nccttgggac | ctaactctgt  | tgtanccatg | 540 |
| gcnttacntg  | tacctctggg | taatentatc | cngtnaanta | tcnnanctt   | tactngccng | 600 |
| anntnng     |            |            |            |             |            | 607 |

<210> 544  
 <211> 570  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;222&gt; (1)... (570)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 544

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| acttgggctt | ctttcagctg  | cttcaacaga | gtggcagcaa | ccaagctgga | gtccaagccc | 60  |
| cctgataaaa | ggcagccaat  | ccttctgtct | gtcatcaaac | gtttctttac | agcattatta | 120 |
| aaaaggatcc | tgaggttggt  | cttcacagtt | tctatctcaa | aacctggaaa | gagtttctcc | 180 |
| acattgtcat | agagggcggtg | caggggttca | tcccgacagt | gatgatattt | aaccatttcc | 240 |
| acggatgcaa | ctttgccatt  | tggttttaaa | tccaaaactt | catagtgtcc | aggaagaaaa | 300 |
| ggctccactt | ttaaaaaagg  | agtcgcggag | tgcttcaatg | taacaagacc | tttagcttct | 360 |
| gaacatacag | ccaaaaaatcc | atcttctgtc | attgctttta | acaaagggtc | gactccatat | 420 |
| gtatctctac | ccaggaacac  | tttcttattg | gcagtatcca | gtaaaacaaa | tgcnaacaca | 480 |
| ccatccaaca | tacaaattgn  | ttgctcaatt | cctcctttgg | cataaagatg | aaggattatc | 540 |
| tcaccaatcc | acttttggnc  | tggnattcaa |            |            |            | 570 |

&lt;210&gt; 545

&lt;211&gt; 330

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 545

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| accgtccagg | atctccaggt | catagccatc | agccagacac | cagttgacgc | ttgtctcctt | 60  |
| agtcttcccg | gattgccttt | tggaatcata | tatgctgact | ctgccaacct | tgggggtggt | 120 |
| gacaataaag | ggatgtcgta | gtccatcctc | aaatgcactc | ccatctcttg | tcacacgaca | 180 |
| gcaaatagca | cgggtcagat | gcccttggct | gaaaaggtaa | cccaatgtga | cagatttgag | 240 |
| ataaatgggc | tgcaggaagt | gggtcaacag | tgccccttgc | aggcccagca | cgttccagcg | 300 |
| taggattttg | tcactacagg | acatggtacc |            |            |            | 330 |

&lt;210&gt; 546

&lt;211&gt; 589

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)... (589)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 546

|            |             |             |            |            |             |     |
|------------|-------------|-------------|------------|------------|-------------|-----|
| ggtaccagag | gcactgtgga  | tggggccacgg | aatgaattgt | cccgggtctc | caaaaagaac  | 60  |
| atTTTTcttc | tattttaagaa | gctctgctcc  | ttccggtacc | gcagggatct | actgagactc  | 120 |
| tcctatggtg | aggccaagaa  | agctgcccgt  | gactacgaga | cggccaagaa | ctacttcaaa  | 180 |
| aaaggcctga | aggatatggg  | ctatgggaac  | tggattagca | aaccccagga | ggaaaagaac  | 240 |
| ttttatctct | gcccagtata  | gtatgtccca  | gtgacagatg | gattagggcg | tgcatacta   | 300 |
| gggtgtgaga | gaggtaggtc  | gtagcattcc  | tcacacatg  | gtcaggggat | tttttttttt  | 360 |
| cctTTTTttt | ttcttttttaa | gccataattg  | gtgatactga | aaactttggg | gttccccattt | 420 |
| atcctgcttt | ctttgggatt  | gctaagcaag  | gncttggcca | agccccccct | ttttttcccc  | 480 |
| caaggngaaa | agnccnaaan  | cctaanaagn  | tatcctttct | ttttanccca | aggcttccct  | 540 |
| tagcccttgg | ncncctggg   | ggncccnttc  | ctttaaaang | tttnggttt  |             | 589 |

&lt;210&gt; 547

&lt;211&gt; 613

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(613)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 547

|             |             |            |             |            |             |     |
|-------------|-------------|------------|-------------|------------|-------------|-----|
| ggtaccagggt | ttaaagttag  | tcttctggag | aagtattttt  | gacattgagc | tctgggacag  | 60  |
| gacaccttgg  | gtttgtggac  | tgcagccac  | tatgatgtta  | ttacttctct | ggccaggcct  | 120 |
| ccagtggag   | tgcacaggca  | ctcccaatgt | tgtaaatgct  | ctgtcttcca | ttgttctgg   | 180 |
| aatcctacgt  | gttggctctgt | ggttccatgc | attagctggt  | tgtaaataat | gcatttgcac  | 240 |
| actgaaaaag  | gaatgccacc  | tgccacagtt | gatggtgagg  | aagctccttt | gacgtgggtgc | 300 |
| aattttgatg  | agatgtctct  | ggggacacga | ggatgcccta  | atgatgctga | cttgtcatgg  | 360 |
| ttgcagcatt  | tgaacttttg  | gtgttaaaaa | naaaaaacctg | tnagtctgga | accctggcaa  | 420 |
| cattttacaa  | ccctngnatt  | tttaaaagaa | ggcntttctt  | attaaaaaaa | ttcnnaaacn  | 480 |
| ccaccagnnc  | ctattgggtc  | aaaccaattc | ctncncttnt  | ggggccnctg | gttttttaaa  | 540 |
| ggggcccttg  | ctngaancaa  | ttggnantcc | canggggttc  | ganaaaaant | gaaatgggtt  | 600 |
| tnnccnccc   | tcc         |            |             |            |             | 613 |

&lt;210&gt; 548

&lt;211&gt; 578

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(578)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 548

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| ggtacatatg | tattttacaa | tatacttacc | atgagtttag | aaaaatttga | attccccacca | 60  |
| ttctatacca | accaaccaca | acccactgt  | ctacattccc | cagccagaag | acttagaatc  | 120 |
| catgcttgag | ccaaagcctc | cattaaaacc | actgcccgac | cctgcattgg | atgctgatcc  | 180 |
| ccaaccaatt | gctgcaccag | aattagagcc | actataagag | ttatttccag | aaccgaaggc  | 240 |
| ctggtttggc | tcctctgca  | tggtgccttg | gttttgggta | ttacccgatg | ggcctgactg  | 300 |
| gttctgctgg | ctggctaaca | tgcccatcat | accccaactg | ctctgtantg | ctgcctgggc  | 360 |
| ggcagccatc | atggctggat | taatgctgaa | cgcacccaag | ttcatccacc | accatattac  | 420 |
| tacctttgat | ggttnccaaa | ncaagtcacc | cctntgggta | ttaccaaata | caccctggat  | 480 |
| cccaaagccc | cctgggatta | ccccccaaan | tttnccttnt | ttntaaatng | ccaatgntta  | 540 |
| tggggcttaa | ggtcngcntt | ngatttttga | accctgnt   |            |             | 578 |

&lt;210&gt; 549

&lt;211&gt; 620

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(620)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 549

|            |            |             |             |             |             |     |
|------------|------------|-------------|-------------|-------------|-------------|-----|
| ggtacgcatg | tcacttccca | tcattggaacc | actcatgggt  | gctgggtggaa | cgccaggatt  | 60  |
| agcttcataa | cctatgccac | caccacctcc  | tagagggtga  | aatttctggc  | ctcctgaacc  | 120 |
| atagggatct | cccatgttca | ttgtccctcc  | gccaccatt   | cgcatgtctc  | tttcccgtgg  | 180 |
| atccatgtag | cccattcggc | tgtaactttc  | ctctcttttg  | cgcctcattt  | gttcttccat  | 240 |
| ctcacgttga | cgaatcatca | tctcttctcc  | tcttctacgt  | cgntcctcct  | cttgccctcaa | 300 |
| ttgcattttc | ttacgtttct | gcatttcttg  | attgtgaaaag | ttcttccatg  | cgtcttaatt  | 360 |
| cttctgtgct | tctcatcaga | tcttggcgca  | aaagatttgc  | ctgatgttca  | tgatanggca  | 420 |
| ttttccattt | cacttttcca | atttggncct  | ttggcanctt  | ttcannngtg  | tnnttcaaac  | 480 |
| ttnggtncct | tttggtggg  | nttttcccat  | ntcnatncan  | atgagnnttg  | nnntggngg   | 540 |
| ggagnantgg | tngggnccta | nnctgtccgg  | cccntntnaa  | angggcgnaa  | tttcnnaagc  | 600 |
| cncatggngg | ggccggtant |             |             |             |             | 620 |

<210> 550  
 <211> 577  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (577)  
 <223> n = A,T,C or G

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| acctatgttt | cacctcctgg  | aaatgaagag | gaagaatcaa | aaatcttcac | cactcttgac | 60  |
| cctgcttctc | tggcttggct  | gactgaggag | gagccagaac | cagcagaggt | cacaagcacc | 120 |
| tcccagagcc | ctcactctcc  | agattccagt | cagagctccc | tggctcagga | ggaagaggag | 180 |
| gaagaccaag | ggagaaccag  | gaaacggaaa | cagagtgggc | attccccagc | ccgggctgga | 240 |
| aagcagcgca | tgaaggagaa  | agaacaggag | aatgaaagga | aagtggcaca | gctagctgaa | 300 |
| gagaatgaac | ggctcaagca  | ggaaatcgag | cgcctgacca | gggaagtaga | ggcgactcgc | 360 |
| cgagctctga | ttgaccgaat  | gggtgaatct | gcaccaagca | tgaaccaatt | ggggagcatc | 420 |
| aagtccccca | cttggggccac | acttaccac  | cttttccaga | agtggcttct | gnctaccttt | 480 |
| nacttanngc | catgggtggg  | accttaattc | ccattcccca | gggggaagnt | ttgaattacc | 540 |
| aaagggaagg | gtttnacctn  | gttttagaaa | ttngccc    |            |            | 577 |

<210> 551  
 <211> 573  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (573)  
 <223> n = A,T,C or G

|             |             |             |            |             |            |     |
|-------------|-------------|-------------|------------|-------------|------------|-----|
| ggtacaaaacc | atcttctact  | gtgacttctt  | ctacttgtat | gtgaccaaag  | tccttaaggg | 60  |
| aaagaagtta  | agtcttccaa  | tgccaatctg  | aggaccttca | gagacagtct  | acgccttaac | 120 |
| aagcacatga  | aggaaactat  | tttgaatgtt  | ctctttggca | acttatccat  | aatttgggat | 180 |
| caaagtgtta  | aaccagaaaa  | gtgttttagtg | tggatttcag | caaaaacctga | tcatcccacc | 240 |
| cagaagacct  | tctcatcaat  | agatcgccct  | taaagaccca | ttgtaaggtc  | ataaaaaacc | 300 |
| tgggccaact  | gcacaaaagat | ggtgectcac  | tgcaacaaga | aaccttaagg  | tgtcttaccg | 360 |
| acgaaataaa  | aaacataaat  | gattgntctc  | caaaggcctg | agggcaagac  | tcatgatgag | 420 |
| caagtcaacc  | cccaatctgg  | aacaatggcc  | ttctnttaaa | atgnccact   | taagaccctg | 480 |

taaaaatatta ggganctggc ccggcggccc tttaaanggc naattcngnc nctggngggcc 540  
ntacttangg gaccaacttn ggnccangtt ngg 573

<210> 552  
<211> 581  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(581)  
<223> n = A,T,C or G

<400> 552  
ggtacattca ggaataatca tatcactggt tacatacaac tctcatgcaa agaaaaccct 60  
caaaaaacaa acaaaaaaaaa ccctcagtta gttgttttct taagtctaata taatccaaac 120  
taataatagc catttaatta gcaatctgta aatcagagag gtatagaaat tcagcagcta 180  
aactgtattt tccacctata gcactgctgc tactcaaact attttcttca cgtattagaa 240  
gaattcatag gcattgatgg tcaaaataag aatttcaaca tagcagcaaa tgacagaaga 300  
gtgagagaaa gagctcctaa tgtggtgaca gtcttaatga tcctttaaaa ggtagaagat 360  
tgngtgcgta tgtgtggaaa ggagtaggaa agaaaagcat gaggttaaga cagggtattta 420  
aaggggaatgg cgagatagct accttagaat atttattttt ttaaaaaact gctctgaaat 480  
ctgcccagtg tacctgcccg gcngncnttc naagggcnaa ttttgnccna tntnnttcan 540  
cttggcgggc cgtnnacctg gntttttaan ggccccantt c 581

<210> 553  
<211> 575  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(575)  
<223> n = A,T,C or G

<400> 553  
ggtactgccc ttggaacctt tgctgagggc tttgtaattc ctagttaaaa tccatttgta 60  
atattgtttc tgtaaagcac tcatttccat tcttaaaatc tgctcaacct tggcaggaag 120  
agatttttcc acatctttct taactcggcg taacagaaat ggctcaagct ccttgtgaag 180  
gcttgcataa ccatattctc tccctttgcc atgttcttct tcaaaatctt cccaggaaga 240  
aaacttttct ggcataatga aatgtagcaa agaccagagc tctttgaggg aattctgtag 300  
aggagttcca gtgataagga gacgatgatt ggatttaaaa tctattaaag ttttatacag 360  
aagggaagtca tcattcttta atcgggtgtc ttcataca cctataaatg cccaatttaa 420  
gaccttccag ggaatgcctt aaaataatag aaaaacagta ttttgagaga aaaaccggaa 480  
ttcaaattta gcccttccat ttaatctgac tcaattatta aaatgaaatn naaattaaaa 540  
accaactttg gcctaatttt caaataaaaa atcgn 575

<210> 554  
<211> 548  
<212> DNA  
<213> Homo sapiens

<220>



<221> misc\_feature  
 <222> (1) ... (548)  
 <223> n = A,T,C or G

<400> 554  
 acggaggact ccattaataa catggaaatc tccactctga aagcgattca ccatttctgt 60  
 cagcaagtca ggccatttct gtggaaaatc ttctctgcca ataatgctaa ttgcatcact 120  
 taactgcttc tgaatttgct ctgggctgct aagcatcaag tgcactatgt tggctttaat 180  
 ggccactcga tcggcttcac aaattttgtt tggttcatct tcaacaattc tccagttcct 240  
 tttaatatag tttttgaatg ttactgaagc acatactttg ataacattat cctgggactt 300  
 ctccagtaat gtcaaaagca acagtggata attctgattt ccttcaacag attcaagaaa 360  
 tttctcagct ggacgtcgga tggcaggatc aggatcaagt gttttcttta aatattctgt 420  
 tagtgtttgc agatttgcac cgctgagttc cattgctata ggatctcgtg gggatacaga 480  
 aaccgaggaa ggaaccccag ccgcggaccg taactngcac taccocgcta cctnngggcg 540  
 gaaacacg 548

<210> 555  
 <211> 576  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (576)  
 <223> n = A,T,C or G

<400> 555  
 actccctgca taacaagaga ttattttgga gacagttgat aaaaaccata catccttttt 60  
 attgttaagt cataaagagg tatcaaaatt aaaagcaaaa attacagggg aagacttaac 120  
 aaaactacta ggagcgtcaa aggaagtga aatgggacta ggcgcggggc aatatgaatt 180  
 aatgaacatg ggaaggacaa ggatggggag aacagtgagc atgtgctgaa gatactaggg 240  
 gagaggatct ggtgaaaaat ttgatcttag acaagcgctt aggtaaaagaa ataattggat 300  
 aagattttcta aaccccacta tgtgcttaag agtcacctc gccattggcg ctgncctctgn 360  
 catcctctcc ttctcacctc tttttcatca tccttgatca actccagctt ggcattcccc 420  
 cgatcttcat tatcattaat cttccagtan gncccccttc ttagcanaag taatntgnac 480  
 ccccttana attcattttt ccatttgnct aaattttttt tccnggacnn gtnggnntgg 540  
 gcccttttng nnntaaaant tttaantctt acnngg 576

<210> 556  
 <211> 613  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (613)  
 <223> n = A,T,C or G

<400> 556  
 ggtacctctt cccatgactg caccagctc cagggggcct tgggacagcc agagctgggt 60  
 ggggacagt ataggcccaa ggtcccctcc acatcccage agcccaagct taatagccct 120  
 cccctcaac ctaccattg tgaagcacct actatgtgct ggggtgctcc cacacttgct 180  
 ggggtcacg gggcctccaa cccatttaac caccatggga aactgttggt ggcgctgctt 240

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ccaggataag | gagactgagg | cttagagaga | ggaggcagcc | ccctccacac | cagtggcctc | 300 |
| gtggttatta | gcaaggctgg | gtaatgtgaa | ggcccaagag | cagagtctgg | gcctctgact | 360 |
| ctgagtcac  | tgctccattt | ataaccccag | cctgacctga | nacttgtegg | aaaagctgtc | 420 |
| ttggggcctt | ttatnaaata | aaaagacttn | agnnatgac  | aangganggt | ttaagaangg | 480 |
| gacttgnngg | gaantnggaa | gnnannaanc | ccttggttgg | ggtttaagnn | nccccacgtt | 540 |
| tgggccagge | angtggcttt | ttccttnttg | ggnccttngg | tnncnttgng | ggacanaagg | 600 |
| nnntttgnac | ccc        |            |            |            |            | 613 |

&lt;210&gt; 557

&lt;211&gt; 607

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (607)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 557

|            |            |             |            |             |            |     |
|------------|------------|-------------|------------|-------------|------------|-----|
| acctggatga | aaagcagagg | gaccccagaa  | tcgaagcgag | caaagtgtctg | ctgtgccatg | 60  |
| gggagctgcg | gagcaagagt | ggacataaac  | tttacatttt | cctgtttcaa  | gacatcttgg | 120 |
| ttctgactcg | gcccgtcaca | cggaaacgaac | ggcactctta | ccaggtttac  | cgccagccaa | 180 |
| tccagtgcca | agagctagtc | ctagaagacc  | tgcaggatgg | agatgtgaga  | atgggagggt | 240 |
| cctttcgagg | agctttcagt | aactcagaga  | aagctaaaaa | tatctttaga  | attcgcttcc | 300 |
| atgacccctc | tccagcccag | tctcacactc  | tgcaagccaa | tgacgtgttc  | cacaagcagc | 360 |
| agtgggtcaa | ctgtattcga | gcggccattg  | cccccttcca | gtcggcaggc  | aagtccacct | 420 |
| gaactgcagg | gcctggccgg | agctgtacga  | aaaatgtgaa | ggggaaccac  | cctttgcgag | 480 |
| gaactnacag | cccaaaggaa | ggcattcaca  | gtttcagtg  | tacttcaggt  | agaaagttga | 540 |
| tgaaaaccct | taccagantg | tggtcttttg  | cattgcaaat | ggcagaggcc  | agcaagaact | 600 |
| taaannt    |            |             |            |             |            | 607 |

&lt;210&gt; 558

&lt;211&gt; 355

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (355)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 558

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| acaaagacaa | agaaacaaac  | tacattggca | tttaagccaa | tcaaaaaagg | aaagaagaga | 60  |
| aatccctggt | ctgattcaga  | atcagatagg | agcagtgacg | aaagtaattt | tgatgtccct | 120 |
| ccacgagaaa | cagagccacg  | gagagcagca | acaaaaacaa | aattcacaat | ggatttggat | 180 |
| tcagatgaag | atttctcaga  | ttttgatgaa | aaaactgatg | atgaagattt | tgtcccatca | 240 |
| gatgctagtc | cacctaaagac | caaaacttcc | ccaaaactta | gtaacaaaga | actgaaacca | 300 |
| cagaaaagtg | tcgtgtcaga  | ccttgaagct | gatgatgtta | agggcagtg  | acctn      | 355 |

&lt;210&gt; 559

&lt;211&gt; 597

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(597)  
 <223> n = A,T,C or G

<400> 559  
 acccgcaaaa cgggacatag tatgtgacaa tctgcatcga tcatggacta ctaaatgcct 60  
 ttacatagaa gggctctgat ttgcacaatt tggtgaaaaa tcacaaaccc atagaaaagt 120  
 aagtaggcta agttggggag gctcaaacca ttaagggtta aaaatacatc ttaaaccattg 180  
 gaaagctctt ctagctgaat ctgaaatatt accccttgtc tagaaaaagg ggggcagtca 240  
 gaacagctgt tccccactcc gtggttctca aaatcataaa ccatggctac tcttgggaac 300  
 cacccggccca tgtgggtcgcc aagtagagca agcccccttt ctcttcccaa tcacgtggct 360  
 gagtgtggat gacttttatt ttaggagaag ggcgattaac actttttgac agtattttgn 420  
 tttgccctga tttgggggat tgnnttggtt ttgggtgggt gttttggaaa aacnggttat 480  
 aaactgggtt tttgnangnt ttgggatttt aaagcccnna ataaaaaann nnanaaaaaa 540  
 aaagnctttg gncctttgggc cggaaaccct taangggcna attccagcca ccttggg 597

<210> 560  
 <211> 559  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(559)  
 <223> n = A,T,C or G

<400> 560  
 gactttgagg caagtgtggg ccaactgtggg ggcagtggag gtgggggtgtt tgggaggctg 60  
 cgtgccagtc aagaagaaaa aggtttgcat tctcacattg ccaggatgat aagttccttt 120  
 ccttttcttt aaagaagttg aagtttagga atcctttggt gccaaactggt gtttgaaagt 180  
 agggacctca gaggtttacc tagagaacag gtgggttttta agggttatct tagatgtttc 240  
 acaccggaag gtttttaaac actaaaatat ataatttata gttaaggcta aaaagtatat 300  
 ttattgcaga ggatgttcat aaggccagta tgatttataa atgcaatctc ccttgattta 360  
 aacacacaga tcacacacac acacacacac acacaaaccn tntgcctttg atgttacaga 420  
 ttttantccg ttnattttta aggatagagc ctttatnggt gnnnanaaaaa caatctggan 480  
 taaaaaaaac nncncnggcc ttgnatttng ncttnntngg ggtttcccca aanccattnn 540  
 nnttgnccagg ctnggggng 559

<210> 561  
 <211> 569  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(569)  
 <223> n = A,T,C or G

<400> 561  
 ggtacaagct tttttttttt tttttttttt tttttttact ttttgggana naggctagga 60  
 ggaggaaggg gtgaaaacag cgtctcactg gagtctcaaa agtgtatgaa tcttctggta 120

|            |             |            |             |            |            |     |
|------------|-------------|------------|-------------|------------|------------|-----|
| gtgcaaggat | gggataagat  | ggccagggaa | gtcagatgga  | aaatccccaa | gattcttttt | 180 |
| gctactgatt | tctataatta  | aaatatgaca | tatgtaaggg  | actagtgcac | gatattcaat | 240 |
| aaatgtcagt | tgtctttcct  | aactagggtc | ctcacaggct  | aggttatgcc | tanatatcat | 300 |
| cacccctcct | tcaggggaatg | aagctcacct | agaaaaactag | ggaactaaaa | gtgcaatatg | 360 |
| gtttgggtaa | tgcagttggg  | tagctgctcc | ccatcctccc  | aactcactat | tccagggagg | 420 |
| ggctgaaaac | agaaatggct  | cccctgaagc | tanntagcat  | ggcatgcana | gtcncatgaa | 480 |
| aggtttgggc | tggaattttt  | aagccaagnc | ctnttttttg  | gaaaaaaatn | ttgggaaaaa | 540 |
| ancccncc   | tnctgnttcn  | nagctgttt  |             |            |            | 569 |

&lt;210&gt; 562

&lt;211&gt; 597

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (597)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 562

|             |            |            |             |            |             |     |
|-------------|------------|------------|-------------|------------|-------------|-----|
| cgaggtacgg  | atgctacttg | tccaatgatg | gtaaaagggt  | agcttactgg | ttgtcctccg  | 60  |
| attcaggtta  | gaatgaggag | gtctgcggct | aggagtcaat  | aaagtgattg | gcttagtgagg | 120 |
| cgaaatatta  | tgtttgttg  | tttggatata | tggaggatgg  | ggattattgc | taggatgagg  | 180 |
| atggatagta  | atagggcaag | gacgcctcct | agtttgtag   | ggacggatcg | gagaattgtg  | 240 |
| taggcgaata  | ggaaatatca | ttcgggcttg | atgtggggag  | gggtgtttaa | gggggtggct  | 300 |
| agggtataat  | tgtctgggtc | gcctaggagg | tctgggtgaga | atagtgttaa | tgtcattaag  | 360 |
| gagagaagga  | agagaagtaa | gcccaggggc | cgtctttgat  | tgtgtagtaa | gggggtggaag | 420 |
| gtgattttat  | ccggaatggg | aagtgatnct | aagggggggt  | gtttganncc | cttttctntgc | 480 |
| cntaaaantgg | angtngaatt | ccnnntnngg | cncncatana  | ttanaggcca | aaatnaaatt  | 540 |
| gaanggnnaa  | aaaancttnn | anggggggga | ctgntnnntg  | agaaccccc  | taaaatn     | 597 |

&lt;210&gt; 563

&lt;211&gt; 574

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (574)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 563

|            |            |             |            |             |            |     |
|------------|------------|-------------|------------|-------------|------------|-----|
| acgccaagaa | ccgtattctt | tgccacaggg  | ttttatgtgg | gacacttttag | acttgagtga | 60  |
| tgccgaagtg | ctcaaggagt | tatacacgtt  | gttaaatgag | aattacgtag  | aagatgatga | 120 |
| caatatgttc | cgatttgact | attcacccga  | gttcctgttg | tgggctctgc  | gtccaccagg | 180 |
| ctggctcctg | cagtggcact | gtgggggtcag | agtgtcttca | aataaaaaaac | tggtcggggt | 240 |
| cataagtgcc | atcccagcaa | acattcggat  | ttatgacagt | gtgaagaaga  | tggtagaaat | 300 |
| caactttctt | tgtgttcata | agaagttgag  | atcgaaacgg | gtagccccag  | tgctaatecg | 360 |
| agagatcact | agaagagtga | acctggaagg  | gatcttccag | gctgtgtcaa  | aaagcacact | 420 |
| ctccanncct | cngggccctg | cattcctgcg  | cttntntnna | gacactttcc  | ctttctattt | 480 |
| tactgnggtg | actttttcaa | acgctgtnac  | cccaaccctt | anantttttt  | gcccttggcg | 540 |
| gnntatnggt | taaanatcac | ccttcccngg  | gttt       |             |            | 574 |

<210> 564  
 <211> 600  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(600)  
 <223> n = A,T,C or G

<400> 564  
 ggtacagaat atttctaata aacctaaatt taatcacagt taaaatttct caaaagtatt 60  
 ttcaagtgtc caagaatatt aaagtttggg gggaaatacc taagtcataa ataagcaagt 120  
 attccctcca agattcacta attgggataa aagtctcagg gtaagccac aagaatggtc 180  
 tgcaataaag aaaaatcagg tctgtgtaga gtaatttctg ccatctttag cagaaaagcc 240  
 aaaaacattc tgagccaaat aaaagcaaag atcttttgat tcagcgccct ttgttgtgtt 300  
 agttttaatt tctaacttct caacatgtta tagctcagaa attcccatat gcttactatc 360  
 tgtaataagg aactataacg ttaaagaaaa aattcagaga ccgtgatcat tttccatcat 420  
 aggtctggct ctctttggta gaaacagatc aagacttact ttatttttct cttccccncc 480  
 ngaagaaaan ggggggttta atggcnttta cccttgtnaa anaaccncc ngggtttaac 540  
 cttnaaattn ggnnggggtaa aanancctaa ngntnagccc tttttnanaa ctnggggnaa 600

<210> 565  
 <211> 600  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(600)  
 <223> n = A,T,C or G

<400> 565  
 accatcgccc atgtggacca cgggaagacc aactgactg cagccatcac gaagattcta 60  
 gctgagggag gtggggctaa gttcaagaag taccaggctg tttgtgatcg tatcagccgc 120  
 tatgtgaaac agcctttacc tgatgagttt ggcagctcac ccttgaggcc aggggcctgc 180  
 aatggctcca ggaacagctg tgaaggagaa gatgaggaag aaatggagca tcaggaagaa 240  
 ggcaaagagc agnttttnana aacagaaggc agnggggaag atgagccagg aaatgacccc 300  
 agtgagacca cccaaaagaa gatcaaaggc cagccctgcc caaaaaggct tntttaccnt 360  
 cagtcttgtg aactcctatg gaacagctga cataaatttc actttgcagc tnatggaaaa 420  
 ctacntaaac tcaantnttc ganctacact tggncntgga tttgtgacnt ttgaaaactn 480  
 tggaganttt tncatgnnt gtgcnchnaa atttntaggg nttntccnat aaatctctgt 540  
 tanccttttt ggnnaccntt tcnaagnaag atntnangnc cctanggncc nttnaaaaaan 600

<210> 566  
 <211> 576  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(576)  
 <223> n = A,T,C or G

<400> 566  
 ggtactgaac aggttaagtca tccctcagcc agagattagt ctacttcttc catgcgtgat 60  
 gtgtcgtcat ctcccttcaag ggtgtttttc tttatttttg ttaattattaa aaagtctgta 120  
 tggcatgaca actacttttaa ggggaagata agattttctgt ctactaagtg atgctgtgat 180  
 accttaggca cttaaagcaga gctagtaatg ctttttgagt ttcattgttg tttattttca 240  
 cagattgggg taacgtgcac tgttaagacgt atgtaacatg atgttaactt tgtggtctaa 300  
 agtgttttagc tgtcaagccg gatgcctaag tagaccaaat cttgttattg aagtgttctg 360  
 agctgtatct tgatgttttag aaaagtattc gttacatctt gtagggatct actttttgaa 420  
 ctttttcatt ccctgnaggt gacaantctg catggacctg ccccgggcgg cccttnaaan 480  
 ggcgaanttc annncantgg ngggcnntct tngggnnccn nccctggncca aatntggggg 540  
 ancnnggnca anctnttccn tggggaaatg gntccc 576

<210> 567  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 567  
 ttttggcagt aaatcaatth tatttgtgtt cacagaacat actaggcgat ctcgacagtc 60  
 gctccgtgac agcccaccaa cccccaaccc tctacctcgc agccacccta aaggcgactt 120  
 caagaagatg gaagatctc acggatctca ttcctaattg tccgcggaag tctcacacag 180  
 tagacagacg gagttgagat gctggaggat gcagtcacct cctaaactta cgaccaccca 240  
 ccagacttca tcccagccgg gacgtcctcc cccaccogag tccctcccat ttcttctcct 300  
 actttgccgc agttccaggt gtctgtcttc caccagtcct acaaagctca ataaatacca 360  
 agagacctgc atttacagca gggggaacat ctcacacctt tgcataagtt aaaataaata 420  
 ttacctg 427

<210> 568  
 <211> 616  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)... (616)  
 <223> n = A,T,C or G

<400> 568  
 acaagagtga tggcaatgtg actggaacag aaatagtttc taccaggcac acaaaagctc 60  
 ctgtaagccc cgtagtctcg tccctgcaaag ggccctcagt ggaaccagggt ctgcagaccc 120  
 gagtgggag agagacgggt ggaagcagggt gccccagatg gtcccgcagg cgtcacccgtc 180  
 tggtttggag accttaaggg agttgtgctt caaacttctc tcccagggtc tcaggtggag 240  
 actaggaggt ttgacctaaa ggtcctccaa ggagaggcca aggtcttgga gacagatctg 300  
 gtttaccatc ttttaacaaa aggcacaaatgt cttctcttct tcagaaagag tcattaacac 360  
 taaaattctt ttctttnngaa gtttcttctt ttccgatgcc atcttccaag tttgnncca 420  
 agaatgaaag gcgtcttttn ccnaagggtc aagggtttcc attcacnttg ggccccattg 480  
 naaaaggggac tggttccttt tggggggttg ggncccgga ccccaana aggnaanggn 540  
 ttttgnccc aagcctttnt tccnnggggn gggaagggna anaaccttg ggcccngna 600  
 acccacctta angggg 616

<210> 569  
 <211> 582

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(582)  
<223> n = A,T,C or G

<400> 569  
acagaatata acgcagcttg gcaggatgca tacggccctg cgcaggggaa agtatttcaa 60  
atcagctggc aggttcaagc ctttctgcac tgtagacttt ccacactctg gaaaagaagc 120  
aaacaaacaa accccaaaga acccccga aaacaaaaaa ccattccggga ggtgcatgag 180  
tccaatggga atgcaaccgt gatgccgctg tcctatgccc agtgacagca caggtcacgt 240  
aagttacagc aggggagggg tagctcaagc tacagaggat tattgtcata ttgctaagac 300  
agcataaatc cattcaaaaa aaaaaaaaaa aatccaaacc agggtaagta aagaaaggaa 360  
aaccaaatct atacagcatt tacaacaaat aaatctctag ccagctgggg gtaaaatatg 420  
catctatgta tagactatgt gtagggtaag aaaagctttt aatatnggtt anaaagaggn 480  
cctttgatta aaggccttgg ccgaaacncc cttaaggnnn aattcnagnc nattgggggc 540  
cggtcnaagg ggaatcaacn tgggnccaaa nttggngaatt nn 582

<210> 570  
<211> 557  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(557)  
<223> n = A,T,C or G

<400> 570  
ccgggaggt acttcttgcc tttaagatag gcaccaggaa atctttcaag gatctcatag 60  
tcactctcca atttatagag ggctgacaat ctggcttcca ttaaaatgag taatcgtcct 120  
ctggcaacat ctttaatttt cacatattgc atttctggat taacacacac agcaaggtta 180  
ctaggtagag tccagggagt ggttgtccaa gcaactaaag atacagtttc atcttcttcc 240  
aaagggaaaag ttacaaatac tgaaggatct tgaacatcct tataattctg gtgtgactcg 300  
aagttggaaa gtggagtgtt acatgccgta gagaagggca tgactttcac acctctataa 360  
acaaggcctt tatcatagag ttggttgaag acccaccaga ctgattccat gaattgtgga 420  
tacagagttt tatagtcatt ggcaaagtna atncatcggc aagttgctac aggagacttc 480  
actnannnaa atctcatcnc aatnnntgga ctnatggata cctnggannc cntttngcc 540  
caatctgggc ctngatn 557

<210> 571  
<211> 382  
<212> DNA  
<213> Homo sapiens

<400> 571  
acactgctct cttcctggca attgacagt gtaaccctcc cgctacgggc actgggactt 60  
tgctgataac cctggaggac gtgaatgaca atgcccgtt catttaccac acagtagctg 120  
aagtctgtga tgatgcaaaa aacctcagt tagtcatttt gggagcatca gataaggatc 180  
ttcaccgaa tacagatcct ttcaaatttg aaatccacaa acaagctgtt cctgataaag 240  
tctggaagat ctccaagatc aacaatacac acgccctggt aagccttctt caaaatctga 300

acaaagcaaa ctacaacctg cccatcatgg tgacagattc agggaaacca cccatgacga 360  
 atatcacaga tctcaggga cc 382

<210> 572  
 <211> 621  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(621)  
 <223> n = A,T,C or G

<400> 572  
 acaagctttt tttttttttt tttttttttt tttttttgcc atttattgcc atgtttttaa 60  
 attcgtgcaa aatatntgaa gccctggaca gagaatacaa agtgatattt tccaagaaa 120  
 cntaaaaacta ggaaaagggg tgggggacat tttcccacca nagctncccc cacgccaggc 180  
 cccaagcagg gtgaggcctn caaccggcc agctgagcag ggaggactaa gagctacaat 240  
 ctggaccang gaaggagggg tgggaatttg aacagngtnt taactaccaa cgagaggaaa 300  
 gccagtcaac tgtacaacct cttgcggagc ggggaagggtg actaccngaa caagacatgc 360  
 tgctgacct gtgcttggg gctgcaaagt gggmntccaa taagtgggtc catgaacgag 420  
 gacaggagtt tttgancctt gnggatcaac aaaangttna ctgacatccn tttctgcctt 480  
 tccctttcct ggnnctttta anccatgtca acnntgacan acnctntng atggtccctt 540  
 tggnagtcct aatnaggctg atttttggan nantnaatnt ttttttgga cncaaggnga 600  
 acnttttttg ngaattttng g 621

<210> 573  
 <211> 296  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(296)  
 <223> n = A,T,C or G

<400> 573  
 ggtactcatt gtgctctttg gtgcctttcc tttcctacag aaaaggaagt gatctatacc 60  
 aagggttgca ggggaagtcaa atgttctcaa cctttcatgc cctctgggta ctcactctggc 120  
 ttgcaaaata atttgatcc ggacagattt ccagtatttt caagtccgct gctttcccg 180  
 aaagctcggc ctaacctgga gctagttagg tccgcaggcg ccaccgncgg cgcactccgg 240  
 agaagaagct cttctttcag ccgcccagga gagttcctcg agaaagatgc cgccgc 296

<210> 574  
 <211> 616  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(616)  
 <223> n = A,T,C or G



```

<400> 574
gggtactccaa cgccaccctg tgcagaaatg agagaagaca gtgctagagt ctatgaaaac      60
gtgggacctga tgcaacagca gaaaagtttc agatgagaaa acctgccaaa acttcagcac      120
agaaatagat gtggactttc accctctccc taaaaagatc aagaacagac gcaagaaagt      180
ttatgtgaag acagaatttg gattttggaag gcttgcaatg tggttgacta ccttttgata      240
agcaaaaattt gaaaccattt aaagaccact gtatttttaac tcaacaatac ctgcttccca      300
attactcatt tcctcagata agaagaaatc atctctacaa tgtagacaac attatatattt      360
ataggaattt gtttgaaatt gaggaagcag ttaaattgtg cgctgtattt tgcagattat      420
ggggattcaa attctagtaa taggcttttt tattttattt ttataccctt aaccagggtta      480
attttttttt ttcctcattg gtnggggatg atgagaagaa atgattnggg aaaattaagt      540
accaacgnac tagaaaagtg agaaccattc tatttccent ntgggtccng gagnggataa      600
ttcatttgan ggcttn

```

```

<210> 575
<211> 614
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

```

```

<400> 575
gggtacaaaca tttttacaaa aagaacatta ccaatatcag tggcagtaag ggcaagctga      60
agaataaata gactgagttt ccgggcaatg tctgtcctca aagacatcca aactgcgttc      120
aggcagctga aacaggcttc tttcccagtg acaagcatat gtggtcagta atacaaacga      180
tggtaaatga ggctactaca taggcccagt taacaaactc ctcttctcct cgggtaggcc      240
atgatacaag tggaactcat caaataattt aaacccaagg cgataacaac gctatttccc      300
atctaaactc atttaagcct tcacaatgtc gcaatggatt caagttactt gcaaacgatc      360
ccgggttgtc atacagatac ttgnntttta cacataacgc tatgccatcc cttnttccac      420
tgcccagtcg ggtttcctgn tgttgaccg aaagggggtc cttttaaaaa tgcttcnttc      480
aagacagaag tgagaaagaa aggagaccct gaggccagan ctattaaaac ttgtgngtcc      540
ccaaaaggaa ggggaaagggn agaattgaaa ggaaacggnt ctttngccca ggatnggaan      600
cgggactacn ttgg

```

```

<210> 576
<211> 596
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(596)
<223> n = A,T,C or G

```

```

<400> 576
acatcaagac ttttggaaca gcgatcgtaa tcaatcctga gaaagacaaa gacatgggtcc      60
aagacctgtt ggacttcaag gacaagggtg accacgtgat cgaggtctgc ttccagaaga      120
atgagcgggt cgtcaacctg atgaaggagt cctttgagac gttcatcaac aagagaccca      180
acaagcctgc agaactgatc gcaaagcatg tggattcaaa gttaagagca ggcaacaaag      240
aagccacaga cgaggagctg gagcggacgt tggacaagat catgatcctg ttcagggtta      300
tccacggtaa agatgtcttt gaagcatttt ataaaaaaga tttggcaaaa agactccttg      360

```

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| ttgggaaaag  | tgcctcagtc | gatgctgaaa | agtctatggt | gtcaaagctc | aagcatgagt | 420 |
| gcggtgcagc  | cttcaccagc | aagctggaag | gntgttcaag | gacatggagc | tttcaangac | 480 |
| atcatgggtca | tttcaagcca | gcntatgcag | natcngagtg | cttcaggcct | atagacctac | 540 |
| aggggacatct | nccatggctt | ctngccacat | aacnccatgg | aangccttac | cccaaa     | 596 |

<210> 577  
 <211> 617  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(617)  
 <223> n = A,T,C or G

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| <400> 577  |            |            |            |             |            |     |
| ggtaccacaa | ctcccaggat | tttcctggat | caaaccttgt | atctcttctg  | caagtattgt | 60  |
| gtatattggt | ctgagagacg | tggaccctcc | tgaacatttt | attttaaaga  | actatgatat | 120 |
| ccagtatttt | tccatgagag | atattgatcg | acttggtatc | cagaagggtca | tggaacgaac | 180 |
| atttgatctg | ctgattggca | agagacaaag | accaatccat | ttgagttttg  | atattgatgc | 240 |
| atttgacctt | acactggctc | cagccacagg | aactcctggt | gtcgggggac  | taacctatcg | 300 |
| agaaggcatg | tatattgctg | aggaaataca | caatacaggg | gttgctatca  | gcactggatc | 360 |
| ttgttgaagt | caatcctcag | ttggccacct | cagaggaaga | ggcgaagact  | acagctaacc | 420 |
| tggcagtaga | tgtgattgct | tcaagctttt | ggtcagacca | gaagaangaa  | ggcatattgg | 480 |
| ctatgaccaa | ctttctactc | ccagttcacc | agatgaatca | gaaaatcaag  | cncctgtgan | 540 |
| aaattaggag | acacttngcc | ctggcatggt | tacaaaaagg | ctttnnngaa  | tntgangcct | 600 |
| ttaggggaaa | aaataaa    |            |            |             |            | 617 |

<210> 578  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| <400> 578  |            |            |             |            |            |     |
| ggtacatgca | gaattgtcaa | ctacagggaa | tgaaaagttc  | aaaaagtaga | tcctacaaga | 60  |
| tgtaacgaat | acttttctaa | acatcaagat | acagctcaga  | acacttcaat | aacaagattt | 120 |
| ggtctactta | ggcatccggc | ttgacagcta | aacacttttag | accacaaagt | taacatcatg | 180 |
| ttacatacgt | cttacagtgc | acgttacccc | aatctgtgaa  | aataaaacca | catgaaactc | 240 |
| aaaaagcatt | actagctctg | ctttagtgcc | taagggtatca | cagcatcact | tagtagacag | 300 |
| aaatcttatc | ttccccttaa | agtagttgtc | atgccatata  | gactttttta | tattaacaaa | 360 |
| aataaagaaa | aacatccttg | aaaatatatt | atcagaggaa  | ttgtagagt  |            | 409 |

<210> 579  
 <211> 619  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(619)  
 <223> n = A,T,C or G

<400> 579

|            |     |             |            |             |             |             |     |
|------------|-----|-------------|------------|-------------|-------------|-------------|-----|
| ggtactat   | ttt | tatatccaga  | aagtcttctc | tatgtagaga  | agtcagagag  | actagatgct  | 60  |
| ttcactagg  | g   | aatgtcttcc  | cacccagcca | tcacaaatgt  | ggacaatcac  | tgcattccaca | 120 |
| tctgtaggca |     | tatttctatg  | gaagttta   | tgacagctat  | attcattatt  | tattttacaa  | 180 |
| tttcattttt |     | ctacaccttt  | gagatttatg | aatgcagttt  | tttcttaaaa  | tttatttttaa | 240 |
| cttgacagta |     | tgttttttagt | tcccccaatt | taattaatgg  | accatgtgca  | tatatatggg  | 300 |
| agtgtgctta |     | catgttaata  | atttacttgc | atacttatga  | gaatttcaca  | ttggaattca  | 360 |
| taatggtaaa |     | acaacataca  | tctgccaata | tacgtttttt  | ctgntgggtt  | aagagaagat  | 420 |
| aactgacagc |     | tttacctact  | tcctacagat | gcattctaaac | ccagatttac  | tgagaagaag  | 480 |
| tgtattggac |     | tctgagtgga  | aaaagagtat | gggtgttttt  | gggttttaagn | tctgctctag  | 540 |
| anccataatt |     | ngnaaaaaat  | tttaggnctt | aanctggtn   | cctaaaattg  | gnnanccaaa  | 600 |
| ngttnaatga |     | aanggctgc   |            |             |             |             | 619 |

&lt;210&gt; 580

&lt;211&gt; 632

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(632)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 580

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| ggtacaaaca | ttttacaaaa | aagaacatta | ccaatatcag | tggtagtaag  | ggcaagctga | 60  |
| agaataaata | gactgagttt | ccgggcaatg | tctgtcctca | aagacatcca  | aactgcgttc | 120 |
| aggcagctga | aacaggcttc | tttcccagtg | acaagcatat | gtggtcagta  | atacaaacga | 180 |
| tggtaaatga | ggctactaca | taggcccagt | taacaaactc | ctcttctcct  | cggttaggcc | 240 |
| atgatacaag | tggaactcat | ataacaacgc | tatttcccat | ctaaactcat  | ttaagccttc | 300 |
| acaatgtcgc | aatggattca | gttacttgca | aacgatcccc | gggtgtcata  | cagataactg | 360 |
| ntttttacac | ataacgctgt | gccatccctt | ccttcactgn | cccagtcagg  | tttctgttg  | 420 |
| gtggaccgaa | aggggatcat | tttaagaaat | gcttccttna | agacagaaaag | tgagaaagaa | 480 |
| aaggagaccc | ttgaggnacg | gaactaatta | aacctgggtg | gggtgccccaa | aaggggaagg | 540 |
| ggaaaggccg | gaanttgnaa | nggataaccg | nttcntttng | cccagggant  | cnggaaccgt | 600 |
| ggctcgtctt | gggcttggac | anncccaa   | at         |             |            | 632 |

&lt;210&gt; 581

&lt;211&gt; 607

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(607)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 581

|             |            |            |             |            |            |     |
|-------------|------------|------------|-------------|------------|------------|-----|
| acataagtga  | tggagtatca | atgctgggtg | ttgaggtgga  | gaaggaattt | agttccttga | 60  |
| attttctttg  | ttctcctctg | tggtccttct | tggtccaggta | acccctgcta | tatcataaga | 120 |
| tttcatctgc  | gagaaaagga | ggaattcttc | tacagctccc  | ctgctcaact | ttcaggagat | 180 |
| tttgacccat  | gtgctgttaa | tcaccgaaat | tttttaagga  | ggcttctcct | ggcatgaaag | 240 |
| agttgggtatt | gtgtcccga  | ttggttggtt | cttgggtctca | ctgacttcaa | aaatgaagcc | 300 |
| gcggaccctc  | gcggtgagtg | ttaacagctc | tttaaggtggc | acgtctggag | tttgttcctt | 360 |
| ctgatgttcc  | ggatgtgttc | agagtttctt | ccttctggta  | ggttcctggc | ctcgttggc  | 420 |

|            |            |            |             |            |             |     |
|------------|------------|------------|-------------|------------|-------------|-----|
| ttcaggaatg | aagctgcaga | ccttctcggg | nagtgnatca  | agctcttaan | gcaggccgctc | 480 |
| tggaagttgt | tcgttctctc | tggggctcgt | ggctcttgctg | gctttaggag | tcaagtncaa  | 540 |
| accttnaggg | tgagtgtaca | ntcatanaag | cagtgtngnc  | ccaanaatna | ncnttnaaaa  | 600 |
| gccaacn    |            |            |             |            |             | 607 |

<210> 582  
 <211> 603  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(603)  
 <223> n = A,T,C or G

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| <400> 582  |            |            |            |            |             |     |
| actgtattct | ccatatgtag | ctcggatgcg | gagggctgtg | agattccgca | gtaaccttcg  | 60  |
| atactcaaag | taactcagct | gggggctcca | attattgctt | ggatgctcat | ttaacctgaa  | 120 |
| tgtgtaagtc | ttggtgagcc | cacaaggcag | tgtcttgcca | agtggcatca | agggagctgt  | 180 |
| gatccgtaga | ccagcacctt | ccagaatcac | atcatgggca | gatgggtgtc | tgccctctct  | 240 |
| gtccacacgg | tagtcaaagg | acaggctttg | accatagctc | acctgttgat | tcccaagaaa  | 300 |
| tttggcagga | gccacaaaat | agacagggtc | tagtcgttgg | gctgagctaa | acacatcttg  | 360 |
| atgggcgctg | tgaccattgg | agctttgcag | gagacccatt | tcgttggaca | gccttccagc  | 420 |
| catcaacatc | ttgatgaaag | gtanaagtga | tcttatggac | actgnattct | gcanaactgc  | 480 |
| ggcaacttgg | ctgaatgcca | tagcagaacc | ctgggtacct | tnggccggaa | cacgcttang  | 540 |
| gcgaattcag | cccacttggg | gccgtctann | ggnanccact | ttggggccan | cttgggggaan | 600 |
| ant        |            |            |            |            |             | 603 |

<210> 583  
 <211> 535  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(535)  
 <223> n = A,T,C or G

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| <400> 583   |            |            |            |            |            |     |
| ggtacacaca  | ggaccgcctg | gggctaaagg | aaatggacaa | tgcaggacag | ctagtgtttc | 60  |
| tggtacacaga | aggggaccat | cttcagttgt | ctgaagaatg | gttttatgcc | cacatcatac | 120 |
| catttccttgg | atgaaacccg | tatagtccac | aatagagctc | agggagcccc | taactcttcc | 180 |
| aaaccacatg  | ggagacagtt | tccttcatgc | ccaagcctga | gctcagatcc | agcttgcaac | 240 |
| taatccttct  | atcatctaac | atgccctact | tggaaagatc | taagatctga | atcttatcct | 300 |
| ttgccatctt  | ctgttaccat | atggtgttga | atgcaagttt | aattaccatg | gagattgttt | 360 |
| tacaaaacttt | tgatgtggtc | aagttcagtt | ttagaaaagg | gagtctgttc | cagatcaagg | 420 |
| gccagaactg  | tgcccaggcc | caaaggagac | actaactaaa | gtagtgagat | agattctaan | 480 |
| ggcaaacatt  | ttccaggctt | gccatatttc | aagcaanaag | ggccnaagcc | tgagg      | 535 |

<210> 584  
 <211> 524  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(524)  
 <223> n = A,T,C or G

<400> 584  
 acaactctct taaaagagta tggataacta tattttctgg attctggagg ttgataacca 60  
 tatgcactta acattatatt ctataaacat taagtagtgc cagttatgag attcccagtt 120  
 ettactaaat tgtattagca ggagctggta attacttgta ttatcacatg taactaataa 180  
 tttgaactat acttgaagga ccgtgttgat gtcagggtatt tacagtgggt ggaagatagc 240  
 agtattatta gcataagctg catacgtaat attcagtaac tgccatatta tataacaaat 300  
 ttacattcgc aaattcagta tcctgttaaa gtgtcatatt cttgtaatct gcattctcca 360  
 ggagttttat gtgtttaata gatgaattta ttttattntt aaaggatttc aaatgnnttc 420  
 agccnctat aggagaaata cccaagtata ttctagttcc ttnatgtccc tgnaccctcg 480  
 gccngnacca cgctaaaggc cgaaatncaa ncnactgggn nggn 524

<210> 585  
 <211> 618  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(618)  
 <223> n = A,T,C or G

<400> 585  
 actgactata atcaaactcc gaataccatt aaaattaagc tatgcagtcg gaacgtgggt 60  
 gataacgtcc acgctcgcga ggggaacaac ccagatcgtc agctaaggtc ccaaaattgt 120  
 gttaagttag aaaggttgtg agatttcata aacaactagg aagttggctt agaagcagcc 180  
 accttttaaa gagtgcgtaa ttgctcacta gtcaagagat cttgcgccaa taatgtaacg 240  
 ggactcaaac acaataccga agctacgggc acattatgtg cgttaggaga gcgttttaat 300  
 ttcgttgaag tcagaccgtg aggactgggt gagagattaa aagtgagaat gccggcatga 360  
 gtaacgattc gaagtgaagaa tcttcgacgc ctattgggaa aggtttcctg ggcaagggtc 420  
 gtccaccag gggttagtca gggcctanga tgaggcanaa atgcatagtc gatggacaca 480  
 ggtaaatatt cctgtacctt cggncngaa cagcctaagg gccgaattnc agcacacttg 540  
 gcgggnggtc ctagtnggat cccanctntg ganccaactt nggggtaatc ntgggcttan 600  
 ctggttcctt ggtgaaat 618

<210> 586  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 586  
 acaagctttt tttttttttt tttttttttt tgtttcaagt tttaatcaaa gcttgtatat 60  
 aagattactt tattcctgca tcttctcaat ggtttcttcc ttgtatttgc ctttttccct 120  
 tcctacttgg cgagatttgg ctttccgttc gaggatcttt ttgcgggtctt tgtccagttt 180  
 tagcctagtg ataaccacct tgctgggggtg aatgcctacg tggacagttg tgccattagc 240  
 cttttccgc tgcaccogtt caatgtagat aacatatttc ttctgtataa cctgggactac 300  
 tttgccaatt tgctgacctt tatagtgtcc acgtacc 337

<210> 587  
 <211> 656  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(656)  
 <223> n = A,T,C or G

<400> 587

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| cgaggtacaa | gctttttttt  | tttttttttt | ttttttttct | gaggagtggc | atggagtctt | 60  |
| ttaatttga  | aggcaaaagg  | ttacatttaa | tgaaaggcag | aggctggatt | aataaatggt | 120 |
| tggtanaaa  | ttgttctgac  | acacagtga  | ctctgggctt | ttctcctgca | taaaaagcag | 180 |
| agctagcagt | aagtgcacaa  | ntgaagaaaa | tccatgtgtc | caataagctg | ccatctccan | 240 |
| aactcttatt | caggaaattc  | aaagagtga  | cattctttta | gtctcctact | cctcaattaa | 300 |
| gtaaatgaga | atgattcagc  | caacaaagtt | catgacaaca | aggtgcagga | tggtgctggc | 360 |
| aaanagaaaa | tnagcaaaagg | ctcgctctgg | ggagatgcct | tggaaatccn | ntttgntctg | 420 |
| nggggtgatc | tnattcttct  | agggnaaacc | cgctagggat | gaaacttccc | accnaagan  | 480 |
| aatgaaaccc | cgaaagaaaa  | agangtttaa | aggggaaagg | nccccngan  | ggagaccagt | 540 |
| taccgaact  | tggaacnnc   | ccggcaagca | atttttcnc  | ggcagggtnc | cctggcccng | 600 |
| ggcgccntt  | tnaaaagggg  | gcaattncca | ngncacttgg | gggggcgtt  | tttng      | 656 |

<210> 588  
 <211> 586  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(586)  
 <223> n = A,T,C or G

<400> 588

|            |            |            |            |             |             |     |
|------------|------------|------------|------------|-------------|-------------|-----|
| actcaaacac | agggggggtg | tcatttatgt | caagaactga | tacaatcaca  | gtgccagtgg  | 60  |
| cagtcagcct | ccttggaag  | ccttgatcca | cagctttcaa | agagaggggtg | tatactgcct  | 120 |
| ggagtctct  | gtccaaaggt | ttttctaact | gaataattcc | agataattcg  | ttaatggaga  | 180 |
| actgcccatt | agcagagtca | atcagtgagt | ataaaatctt | ccgatttaat  | cctgcgtcgg  | 240 |
| catctgtggc | ctgcactctt | gtcagcagcg | ttcccggtc  | tgtgttttca  | aacacgggtga | 300 |
| tggcataagg | atcggcagag | aattcggggg | cattatcggt | cacgtcttct  | agcgtgagca  | 360 |
| caatactggc | ttggtagaat | cttcctcctc | catctgtggc | cctgacgaga  | agatgataaa  | 420 |
| cagcttgctc | ctnacgatca | aaggggggtt | gacgttttca | agtcacctgg  | nctggattaa  | 480 |
| tttgaatttt | ctgcacctga | cccaatacgg | taagtattca | gcgtaaccgg  | atgttgcgtt  | 540 |
| gacanaaact | gatgacattt | tccgaaggac | tnntagga   | aggtga      |             | 586 |

<210> 589  
 <211> 645  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(645)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 589

|             |             |             |            |             |             |     |
|-------------|-------------|-------------|------------|-------------|-------------|-----|
| acaagcagta  | ttagaaaaatc | tttttggcaa  | gggagagaaa | taaatacaaa  | tggaatgcta  | 60  |
| cattttttaa  | ttagcaaaact | gtctcaggaa  | tgataaagg  | atcagtaaag  | tagcaagggg  | 120 |
| ataactttta  | aacattat    | gtctggggct  | caaaaaacac | tcaaaacaat  | ttattttaaag | 180 |
| gttgacacaag | agctatgtcc  | aggcatttac  | gcttatggga | agtaaaatta  | aaagaggata  | 240 |
| cttttttccc  | aaggagaatt  | tctttaaaac  | caagcacatt | gctaaaatagc | aacattatac  | 300 |
| tcggtaaaca  | ataattggca  | acaaaataag  | tttaatat   | tgcccaaacc  | agtcccagat  | 360 |
| actgtttaat  | aaccaagata  | caaactaatt  | ttgttgnac  | aagcctagac  | caattttatc  | 420 |
| aaacatgtcc  | ttgggttagat | atccaatttc  | atttaacgtt | tttgnagct   | canttgacag  | 480 |
| ccagtcnagt  | ccttnatacn  | gacccagttc  | cntgggggtg | gcacaaagt   | ggnttggacc  | 540 |
| ataccaccca  | ttcaaaaagg  | cgcattntngg | ttcttggccc | aaaaaatccn  | ggnaaaaaaa  | 600 |
| aggganggga  | aattattnaa  | gggncccttg  | ggnggnaatg | ggcnc       |             | 645 |

&lt;210&gt; 590

&lt;211&gt; 464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 590

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggttcttgac | gaggctgcgg | tgtctgctgc | tattctccga | gcttcgcaat | gccgcctaag | 60  |
| gacgacaaga | agaagaagga | cgctggaaa  | tcggccaaga | aagacaaaga | cccagtgaac | 120 |
| aaatccgggg | gcaaggccaa | aaagaagaag | tggtccaaag | gcaaagt    | ggacaagctc | 180 |
| aataacttag | tcttgtttga | caaagctacc | tatgataaac | tctgtaagga | agttcccaac | 240 |
| tataaactta | taaccccagc | tgtggtctct | gagagactga | agattcgagg | ctccctggcc | 300 |
| agggcagccc | ttcaggagct | ccttagtaaa | ggacttatca | aactggtttc | aaagcacaga | 360 |
| gctcaagtaa | tttacaccag | aaataccaag | ggtggagatg | ctccagctgc | tggtgaagat | 420 |
| gcatgaatag | gtccaccagc | ttgtacctgc | cgggcggccg | ttcg       |            | 464 |

&lt;210&gt; 591

&lt;211&gt; 387

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(387)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 591

|             |            |             |            |            |            |     |
|-------------|------------|-------------|------------|------------|------------|-----|
| ggaagacgga  | ggctcctctt | ccttgccctaa | cgcagccatg | gctcgtggtc | ccaagaagca | 60  |
| tctgaagcgg  | gtggcagctc | caaagcattg  | gatgctggat | aaattgaccg | gtgtgtttgc | 120 |
| tcctcgtcca  | tccaccgggc | cccacaagtt  | gagagagtgt | ctccccctca | tcattttcct | 180 |
| gaggaacaga  | cttaagtatg | ccctgacagg  | agatgaagta | aagaagattt | gcatgcagcg | 240 |
| gttcattaaa  | atcgatggca | aggtccgaac  | tgatataacc | taccctgctg | gattcatgga | 300 |
| tgatcatcagc | attgacaaga | cgggagagaa  | tttccgtctg | atctatgaca | ccaagggtcg | 360 |
| ctttgctgta  | cctnggccgc | gacacgc     |            |            |            | 387 |

&lt;210&gt; 592

&lt;211&gt; 648

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(648)  
 <223> n = A,T,C or G

<400> 592

|             |            |             |            |            |             |     |
|-------------|------------|-------------|------------|------------|-------------|-----|
| ggtacaaaaca | ttttacaaaa | aagaacatta  | ccaatatcag | tggtagtaag | ggcaagctga  | 60  |
| agaataaata  | gactgagttt | ccgggcaatg  | tctgtcctca | aagacatcca | aactgcggtc  | 120 |
| aggcagctga  | aacagggttc | tttcccagtg  | acaagcatat | gtggtcagta | atacaaacga  | 180 |
| tggtaaatga  | ggctactaca | taggccagtg  | taacaaactc | ctcttctcct | cgggtaggcc  | 240 |
| atgatacaag  | tggaactcat | caaataatth  | aaacccaagg | cgataacaac | gctattttcc  | 300 |
| atctaaactc  | atttaagcct | tcacaatgtc  | gcaatggatt | cagttacttg | caaacgatcc  | 360 |
| cgggtttgtca | tacagatact | tgntttttac  | acataacgct | gtgccatccc | ttccttcaact | 420 |
| gncccagtc   | ggtttcctgt | tgntgggaccg | aaaggggata | cattttanga | aaatgctttc  | 480 |
| ttcaagacag  | aaatgagaaa | gaaaanggaga | accctgaggg | caggaatcta | ttaaaccctg  | 540 |
| ggggtngnnc  | nccaaaaagg | aagggggnaa  | aggccnggaa | tttgaaaagg | ntaaaaccgn  | 600 |
| ttccttttgn  | gncccaggga | attagggaaa  | ccttgactna | cntttggg   |             | 648 |

<210> 593  
 <211> 625  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(625)  
 <223> n = A,T,C or G

<400> 593

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggtacttaaa | atcagagtca | aaaaatgggt | ttaagtttta | atactcttaa | ttagctccct | 60  |
| gctttatact | gtaactccac | agaagacata | gggccaccta | ggattcacag | gaaggagcag | 120 |
| ctctgattct | tacatggctg | gctccgatgc | ccccacagca | ggcctcttcc | tccccaagtt | 180 |
| tttctctctc | atttcaaaaa | agcactatth | tatcttcaca | tccaagagct | ggttggtttg | 240 |
| gtttgtttct | ttggaaacca | ataaaagaag | caatthtttc | ctgttctttt | tactcacatc | 300 |
| tacctatcag | agcggctatt | tccttcgaca | gttcagtagc | acacaggctg | acttgccac  | 360 |
| atggactcat | gaatgcatgc | attcagaccg | catattgcta | ccaaatggga | atgtgggaat | 420 |
| atgctatgca | cctcaggttg | agaaatgacc | aagaaaatca | agatctaaag | gggtgatata | 480 |
| taatatatat | atatatcaat | gctattattc | ataaaaacct | tggttagtaa | taaaaaaaat | 540 |
| tgctttgggt | naaatattga | atattataag | ctggcttctc | atgggttgga | aaaaataagt | 600 |
| ctttntgnaa | aagccggggc | ctttt      |            |            |            | 625 |

<210> 594  
 <211> 586  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(586)  
 <223> n = A,T,C or G

<400> 594



|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| ggtacccaga | caaaacccgg  | ccacgtgtaa | gtcagatgct | gattttgact | ccatttcaag | 60  |
| gtcaaggcca | tggtgctcaa  | cttcttgaaa | cagttcatag | atactacact | gaatttccta | 120 |
| cagttcttga | tattacagcg  | gaagatccat | ccaaaagcta | tgtgaaatta | cgagactttg | 180 |
| tgcttgtgaa | gctttgtcaa  | gatttgcctt | gtttttcccg | ggaaaaatta | atgcaaggat | 240 |
| tcaatgaaga | tatggcgata  | gaggcacaac | agaagttaa  | aataaataag | caacacgcta | 300 |
| gaagggttta | tgaaattctt  | cgactactgg | taactgacat | gagtgatgcc | gaacaatata | 360 |
| gaagctacag | actggatatt  | aaaagaagac | taattagccc | atataagaaa | aagcagagag | 420 |
| atcttgctaa | gatgagaaaa  | tgtctcagac | cagaagaact | gacaaaccag | atgaacaaaa | 480 |
| tagaaataag | catgcaacat  | gaacagcttg | gaananaagt | tttcanggnc | tagtggaaga | 540 |
| ataccccgcc | gtgggtattga | acnacttgct | caagagttaa | gaattt     |            | 586 |

<210> 595  
 <211> 613  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(613)  
 <223> n = A,T,C or G

|             |            |             |            |            |            |     |
|-------------|------------|-------------|------------|------------|------------|-----|
| acagaagggt  | gacgaaaatt | cttactgagc  | aagaaataac | cttggtgtaa | ttactaaaat | 60  |
| ttgagaaatg  | tgattcttga | ctggaaaaat  | agatgtgtcg | tggaggccga | atgtttgcac | 120 |
| caacccaaaac | ctggcgccgt | tggcatcgta  | gagtgaacac | aacccaaaaa | cgatacgcca | 180 |
| tctgttctgc  | cctggctgcc | tcagccctac  | cagcactggg | catgtctaaa | ggtcatcgta | 240 |
| ttgaggaagt  | tcctgaactt | cctttggtag  | ttgaagataa | agttgaaggc | tacaagaaga | 300 |
| ccaagggaagc | tgttttgctc | cttaagaaac  | ttaaagcctg | gaatgatata | aaaaaggtct | 360 |
| atgctctctca | gcgaatgaga | gctggcaaaag | gcanaatgag | aaaccgtcgc | cgtatccagc | 420 |
| gcagggggccc | gtgctcatct | ataatgagga  | tnaatgggat | catcaaggcc | tttagaaaca | 480 |
| tcctggaaat  | acctctgctt | aatggtaagc  | caagcttgac | cattttgaan | ncctgttctg | 540 |
| gtgggccttt  | tgggacgttc | tggatttgga  | cttgaaaggc | ttttccggaa | ttnnatgaaa | 600 |
| tgncnncgg   | ccc        |             |            |            |            | 613 |

<210> 596  
 <211> 616  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(616)  
 <223> n = A,T,C or G

|            |             |             |            |             |            |     |
|------------|-------------|-------------|------------|-------------|------------|-----|
| gcgtgggtcg | cggccgaggt  | acaagaacac  | tccttgggcg | tccttgctgt  | tttgtttgtg | 60  |
| aagttttcta | tgcccagtgt  | tcctgacttc  | gaaacgctat | tctcacaggt  | tcagctcttc | 120 |
| atcagcactt | gtaatgggga  | gcacattcga  | tatgcaacag | acacttttgc  | tgggctttgc | 180 |
| catcagctaa | caaatagcact | tgtggaaaaga | aaacagcccc | tgcgagggaat | tggcatcctt | 240 |
| aagcaagcca | tagacaagat  | gcagatgaat  | acaaaccagc | tgacctcaat  | acatgctgat | 300 |
| ctctgccagc | tttgtttgct  | agcaaaaatgc | tttaagcctg | ccttccatat  | cttgacgtgg | 360 |
| atatgatgga | tatctgtaaa  | gagaatggag  | cctatgatgc | aaaacacttt  | ttatgntact | 420 |
| attattatgg | agggatgatt  | atactgggct  | gaaagaactt | tgaaagactc  | tctactttta | 480 |

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| tgaacaggct | atactacttc | tgcattggcg | cagtcataat | atgtgggaac | atttaaaagn | 540 |
| ntatttanng | gcttgaatac | ctggcaaaga | cctgnccggc | gccgttcaaa | ggggaattca | 600 |
| ccacttggng | gcgtnt     |            |            |            |            | 616 |

<210> 597  
 <211> 631  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(631)  
 <223> n = A,T,C or G

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| <400> 597  |            |            |            |            |             |     |
| accagatggc | ttttcagaca | gaggttggaa | accatcccac | ttttgaggat | atgcagggttc | 60  |
| tcgtgtctag | ggaaaaacag | agacccaagt | tcccagaagc | ctggaaagaa | aatagcctgg  | 120 |
| cagtggagtc | actcaaggag | acaatcgaag | actgttggga | ccaggatgca | gaggctcggc  | 180 |
| ttactgcaca | gtgtgctgag | gaaaggatgg | ctgaacttat | gatgatttgg | gaaagaaaca  | 240 |
| aatctgtgag | cccaacagtc | aatccaatgt | ctactgctat | gcagaatgaa | cgcaacctgt  | 300 |
| cacataatag | gcgtgtgcca | aaaattggtc | cttatccaga | ttattcttcc | tcctcatata  | 360 |
| ttgaagactc | tatccatcat | actgacagca | tcgtgaagaa | tatttctctc | gagcattcta  | 420 |
| tgtccagcac | acctttgact | atagggggaa | aaaaaccgga | aattcaatta | ctatgaaccg  | 480 |
| acagcaaggc | acaaagctcg | aatncccaag | cccttgaaac | aagtggtaac | cagcttttca  | 540 |
| ccacancacc | aaccnncaaa | cnccccaggg | anttacgccc | aaggtacctt | nggccgggaa  | 600 |
| cccncttang | gggnaattcn | cgnccttgg  | g          |            |             | 631 |

<210> 598  
 <211> 630  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(630)  
 <223> n = A,T,C or G

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| <400> 598  |            |            |            |            |             |     |
| cgaggtgctt | cgtcttcggt | ttttctcttc | cttcgctaac | gcctcccggc | tctcgtcagc  | 60  |
| ctcccggcgg | ccgtctcctt | aacaccgaac | accatgcctt | caattaagtt | gcagagttct  | 120 |
| gatggagaga | tatttgaagt | tgatgtggaa | attgccaaac | aatctgtgac | tattaagacc  | 180 |
| atgttggaag | atttgggaat | ggatgatgaa | ggagatgatg | accagttcc  | tcctcctcct  | 240 |
| cctcctgaag | atgatgagaa | caaagaaaag | cgaacagatg | atatccctgt | ttgggaccaa  | 300 |
| gaattcctga | aagttgacca | aggaacactt | tttgaactca | ttctggctgc | aaactactta  | 360 |
| gacatcaaag | gtttgcttga | tgttacatgc | aagactgttg | ccaatatgat | caaggggaaa  | 420 |
| actcctgagg | agattcgcaa | gaccttcaat | atcaaaaatg | actttccctc | tttttttgta  | 480 |
| agcaatggct | ggctaagtta | atgggccagg | taacntttag | tgacctttta | aaaagtgttg  | 540 |
| ccattggnaa | atnaaaccac | ttgcaaaaaa | gttttntgga | atagaatttc | cnaatatattt | 600 |
| cctttttcat | gagtgggaac | tggnnaaagg |            |            |             | 630 |

<210> 599  
 <211> 359  
 <212> DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 599

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggtacctacc | tcaggagcag | agatttgata | ttcgagtgct | gggcttaggt | ctgctgataa | 60  |
| atctagtggg | gtatagtgt  | cggaatcggc | actgtcttgt | caacatggaa | acatcgtgct | 120 |
| cttttgattc | ttccatctgt | agtggagaag | gggatgatag | tttaaggata | ggtggacaag | 180 |
| ttcatgctgt | ccaggcttta | gtgcagctat | tccttgagcg | agagcgggca | gcccagctag | 240 |
| cagaaagtaa | aacagatgag | ttgatcaaag | atgctcccac | cactcagcat | gataagagt  | 300 |
| gagagtggca | agaaacaagt | ggagaaatac | agtgggtgtc | aactgaaaag | actgatggt  | 359 |

&lt;210&gt; 600

&lt;211&gt; 589

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(589)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 600

|            |            |            |            |             |             |     |
|------------|------------|------------|------------|-------------|-------------|-----|
| accaggggac | acaaacactg | tggagggtg  | cagggacctc | tgccataggaa | agccagggtat | 60  |
| tgtccaaggt | ttctcccat  | gtgacagtct | gaaatatggc | ctcgtaggaa  | gggaaagacc  | 120 |
| tgaccgtccc | ccagcccgc  | acccataaag | ggtctttgt  | gaggaggatt  | agtaaaagag  | 180 |
| gaaggcctct | ttgcagttga | gataagagga | aggcatctgt | ctcctgctcg  | tccttgggca  | 240 |
| atggaatgtc | tcggtttaaa | acccgattgt | atattctatc | tactgagata  | ggagaaaact  | 300 |
| gccttagggc | tggagatgag | acatgctggt | ggcaatactg | ctctttaatg  | cattgagatg  | 360 |
| tttatgtatg | tgacacaaaa | agcacagcgc | ctttttcttt | acctcgttta  | tgatgcagag  | 420 |
| acatttgttc | acatgttttc | ctgctgactc | tctcccacta | ttaccctatt  | gcctgccaca  | 480 |
| tctccttttc | gaaanggtag | agataatgat | caataaatac | tgagggactn  | aganactggg  | 540 |
| ccgcgtaagt | cctaatatct | gaacgccagt | ccctggccca | ntttttnt    |             | 589 |

&lt;210&gt; 601

&lt;211&gt; 240

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 601

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| acatctgaaa  | taccccccaa | accagaaaag | cttttcaaca | gctaggttgt | ccaagaactt | 60  |
| ggaaaattca  | ccttctgatg | tcctccaaga | cagattccat | tttttataca | ccttatttgc | 120 |
| tcagacctgt  | aacttcagcc | tggagtgaac | acagacacct | agttttcttc | aaactcctct | 180 |
| tgggcttttag | agagaaggtg | ctggcccttt | gagccaagca | ggttattggt | tagtagtacc | 240 |

&lt;210&gt; 602

&lt;211&gt; 621

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(621)

&lt;223&gt; n = A,T,C or G

<400> 602  
 ggtacctttt acatacaaga aattaaatga gagaaaaaat aactgtagtt acaccatatac 60  
 acttacaaga atggagaatc tgcttataag tcaaaactaga attagaactt atttcttaga 120  
 ctgcttcata aaaactaaca taccactact ttttaattat ttattttatt gctaaagaac 180  
 aaaaattttaa gtatgaaaaa caaccaactg attcacccaa ctcagtaagt ttgactcacg 240  
 ttttctgggt caacaccaat gtcttcacaa aatttctcca tgcttcagg gcctacaaca 300  
 tcatcagttc ctgcatattc atagaaccat tccaagcacc ttttacttga aaaggcttct 360  
 tcttcagtct ttattctagt cgaatcatat tttctataca tgctatcatg totacttttc 420  
 ttggcagata aatcatctcc agaagcaggt cttctctttt tccttgggtg catcacttta 480  
 ttaaagcagt ctgaagaact gnaagaaccg agacttcttg gtttggcgac gncttggnga 540  
 nggctctggg anggtcaanc ttattaangg ngngggaaaa ccttntgaan atttgcccn 600  
 gttganagat gaaaagtcnn g 621

<210> 603

<211> 655

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(655)

<223> n = A,T,C or G

<400> 603  
 acttataatt ggcagtgagg gaaggggaaca tacgctggcc tggaaaacttg cacagtctca 60  
 tcatgtcaaa caagtgttgg ttgccccagg aaacgcaggc actgcctgct ctgaaaagat 120  
 ttcaaatacc gccatctcaa tcagtgacca cactgccctt gctcaattct gcaaagagaa 180  
 gaaaattgaa tttgtagttg ttggaccaga agcacctctg gctgctggga ttgttgggaa 240  
 cctgaggtct gcaggagtgc aatgcttttg cccaacagca gaagcggctc agttagagtc 300  
 cagcaaaaagg tttgccaaaag agtttatgga cagacatgga atcccaaccg cacaatggaa 360  
 ggctttcacc aaacctgaag aagcctgcag cttcattttg agtgcagact tccctgcttt 420  
 ggttgtgaaa gggcancggg cttgcaactt ggnaaaaggg tgaatgggtg ccaaagaagc 480  
 caaagaaana aggnccctgca aagcntgtan cctttggggc gggaaccacg ctttaangggc 540  
 cnaaattcca agnacaactt ggccggggccc gttacctaata ngggatccca actttngggg 600  
 acccaaaaacn ttngggngna aatcatnggg ncnaaaantt tgggttccct gngng 655

<210> 604

<211> 490

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(490)

<223> n = A,T,C or G

<400> 604  
 acaacacacg aattccactc taaacttgaa cgcaaagcta tggtcctctc tgctcatgg 60  
 cagtgggcca cagcatcctt caatctttta gttgagcgat acaactccac tagccggatg 120  
 ttcacatgga cgtcatcagg tcttacataa agttctgact gaatcaagtc aaaaagttaa 180  
 ttccatccat cttcaccttc acaatctaga agctgttcct ttagtttata aattgcagga 240  
 cttcctggga aaagttttgc tgctctttcg acccagtatt ttgctcttcc atcaggtaac 300  
 atcattttta caaagcaatt ctgcaatctt caacacaaga tcttttgtgt tgggtttaat 360

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| tccactgaac | gcctgtaaca | ttnaacggnt | ttctctgtgt | tttcttccat | tcataaagan | 420 |
| gacccagaaa | tctgtgagct | ttgggatccc | tctctcgcac | attaaatgta | agtacctnng | 480 |
| gncgcgacca |            |            |            |            |            | 490 |

<210> 605  
 <211> 612  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(612)  
 <223> n = A,T,C or G

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 605  |            |            |            |            |            |     |
| acagaaggtt | gacgaaaatt | cttactgagc | aagaaataac | cttggtgtaa | ttactaaaat | 60  |
| ttgagaaatg | tgattcttga | ctggaaaaat | agatgtgtcg | tgagggccga | atgtttgcac | 120 |
| caaccaaacc | ctggcgccgt | tggtatcgta | gagtgaacac | aacccaaaaa | cgatacgcca | 180 |
| tctgttctgc | cctggctgcc | tcagccctac | cagcactggt | catgtctaaa | ggatcatcgt | 240 |
| ttgaggaagt | tcctgaactt | cctttggtag | ttgaagataa | agttgaaggc | tacaagaaga | 300 |
| ccaaggaagc | tgttttgctc | cttaagaaac | ttaaagcctg | gaatgatatc | aaaaaggtct | 360 |
| atgcctctca | gcgaatgaga | gctggcaaac | gcaaaatgag | aaaccctctg | ccgtatccag | 420 |
| ccgcaggggc | ccgtgcacat | tctataatga | ggataatggg | tatcatcaag | gccttcagaa | 480 |
| acatccctgg | aattactctg | cttaatgnaa | gcaagctgac | atTTTTgaac | cctgcttctg | 540 |
| ggnggcctgt | nggactttct | gcatttgagc | tgaaantgct | tttcggaagt | ttantaantg | 600 |
| gacctnngcc | cc         |            |            |            |            | 612 |

<210> 606  
 <211> 577  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(577)  
 <223> n = A,T,C or G

|             |            |            |            |             |            |     |
|-------------|------------|------------|------------|-------------|------------|-----|
| <400> 606   |            |            |            |             |            |     |
| gacttttgagg | caagtgtggg | ccactgtggt | ggcagtggag | gtgggggtgtt | tgggaggctg | 60  |
| cgtgccagtc  | aagaagaaaa | aggtttgcac | tctcacattg | ccaggatgat  | aagttccttt | 120 |
| ccttttcttt  | aaagaagtgt | aagtttagga | atcctttggt | gccaactggg  | gtttgaaagt | 180 |
| agggacctca  | gaggtttacc | tagagaacag | gtggttttta | agggttatct  | tagatgtttc | 240 |
| acaccggaag  | gtttttaaac | actaaaatat | ataatttata | gttaaggcta  | aaaagtatat | 300 |
| ttattgcaga  | ggatgttcat | aaggccagta | tgatttataa | atgcaatctc  | cccttgattt | 360 |
| aaacacacag  | atacacacac | acacacacac | acacacacac | aaaccttctg  | cctttgatgt | 420 |
| tacagattta  | atacagttta | tttttaaaga | tagaatcctt | ttataggtga  | gaaaaaaaca | 480 |
| atctgggaag  | aaaaaaccac | acaagacatt | gatcagcctg | ttngcgtttc  | canangtctt | 540 |
| tgattggcag  | catggttnca | aggaaantag | gtacctc    |             |            | 577 |

<210> 607  
 <211> 312  
 <212> DNA  
 <213> Homo sapiens

```

<400> 607
gggtaccaggc cgctcaccac agtccgtggt tcagcttccc ccacgtcaat cttctctaca      60
tacaggctgt ctgcatctgg gtgcttctcc acagtgatga ttttccccac acggatatcc      120
agccgggatg ggatgacctc ctctggttct gaattcttgg cagggccttt ggccattggc      180
ttctgctttg agggatctgg gtaggcagcg ctggccagtt ttttcagggc aggggtatta      240
aacttttccc ggattggatc cagcaacttg ttcagtgcga cttcaacaga attcttcagg      300
tctccaggat gt                                     312

```

```

<210> 608
<211> 614
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

```

```

<400> 608
gggtgcaactt ccttcgggtcg tcccgaatcc gggttcatcc gacaccagcc gcctccacca      60
tgccgccgaa gttcgacccc aacgagatca aagtcgtata cctgaggtgc accggagggtg      120
aagtcgggtgc cacttctgcc ctggccccc aagtcgggtgc cctgggtctg tctccaaaaa      180
aagttgggtga tgacattgcc aaggcaacgg gtgactggag gggcctgagg attacagtga      240
aactgaccat tcagaacaga caggcccaga ttgaggtggt gccttctgcc tctgccctga      300
tcatcaaagc cctcaaggaa ccaccaagag acaaagaaac agaaaaacat taaacacagt      360
jggaatatca cttttgatga gattgtcaac attgctcgac agatgccggc accgatcctt      420
agccagagaa ctctctggaa ccattaaaga gatctgggga ctgcccagtc agtgggctgn      480
aatggtgatg gcccgcattc ttatgacttc atcgatgaca tcaacagtgg tgctgtggaa      540
tgcagccggg ttaanccnaa ggaaacttta atnanggtca ttgactgggn aaaaaaaaaa      600
nnaananaaa ggnt                                     614

```

```

<210> 609
<211> 609
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

```

```

<400> 609
gggtactgagc acccctgttg tcaagaaagt gggagtaaca tctgtaggag gttctttaac      60
tggtggggcca aatatataaa caactctgtt aacgttgtga cacatgcgag gtataagcct      120
agccagaaaa ataagtgatt cccagtcagg ttcattctta ctggagattc cacacacgta      180
attgtaggaa cgacagtcac cctgcacacc tacagtttta attggcagca agaaggcatt      240
cagtgaatgc agactggtaa ttgcatcag cttctcctga tcctcttctg ttgtgcaggc      300
tttgactctc tgtaataggg tatgtggctt ttttaacact gcagaaaaat cagctactat      360
tttcaaaaata ttgttggttt caggaaagtc cttacaaata taaggttctt cagcacatat      420
tactctgatt gccaggccag gacctggaaa tggatgcctg gaaactaact cttctggaag      480
tccaagttct cttggccaaa attctcactt catctttatg aaaatctttc agagggtctat      540
acttttctct ctttttaact ttctgaaatga ctcttgggna tttggaangg tttgatgagt      600

```

tcactttnc

609

<210> 610  
 <211> 254  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(254)  
 <223> n = A,T,C or G

<400> 610  
 accattggtg gccaatgat ttgatggttaa gggagggatc gttgacctcg tctgttatgt 60  
 aaaggatgcg tagggatggg agggccgatg aggactagga tgatggcggg caggatagtt 120  
 cagacggttt ctatttcctg agcgtctgag atgttagtat tagttagttt tgttgtgagt 180  
 gttaggaaaa gggcatacag gactaggaag cagataagga aaatgattat gagggcgtga 240  
 tcatgaaaga cctn 254

<210> 611  
 <211> 687  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(687)  
 <223> n = A,T,C or G

<400> 611  
 ggtacaagga tgccatccat ttctataaca agtctctggc agagcaccga accccagatg 60  
 tgctcaagaa atgccagcag gcagagaaaa tcctgaagga gcaagagcgg ctggcctaca 120  
 taaaccccga cctggctttg gaggagaaga acaaaggcaa cgagtgtttt cagaaagggg 180  
 actatcccca ggccatgaag cattatacag aagccatcaa aaggaacccg aaagatgcca 240  
 aattatacag caatcgagct gcctgctaca ccaaactcct ggagtccag ctggcactca 300  
 aggactgtga ggaatgtatc cagctggagc cgcaccttca tcaaggggtt atacacggaa 360  
 agccgctgca ctggaagcga tgaaggacta caccacaaag cccatggatg tgtacctgcc 420  
 cgggccggcc gctcgaaaagg ggcgaaattn agcacactgg ccggccggta cttagtggga 480  
 tncnancctt ggtaccacaaac ntngcggnaa tcatgggcat ancnnnggtc ctngggngga 540  
 aaattggtta tnccgtttac natttcccca ccaacttccn aaccgggaaa cctttnaagng 600  
 gaaancntg gggnggccta atggngggc ttactcncct taattggctt gggcttaatg 660  
 ggcccccttt caatngggaa acctnnt 687

<210> 612  
 <211> 673  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(673)  
 <223> n = A,T,C or G

```

<400> 612
gactgatgtt ggtgtcctgc agcgccacgt ttcccgccac aaccaccgga acgaggatga      60
ggagaacaca ctctccgtgg actgcacacg gatctccttt gagtatgacc tccgcctggg      120
gctctaccag cactgggtccc tccatgacag cctgtgcaac accagctata ccgcagccag      180
gttcaagctg tgggtctgtgc atggacagaa gcggctccag gaggttccttg cagacatggg      240
tcttccctg aagcagggtga agcagaagtt ccaggccatg gacatctcct tgaaggagaa      300
tttgcggaat atgattgaag agtctgcaaa taaattttgg atgaaggaca tgcgcgctgc      360
agactttcaa cattcatttt gggttcaagc acaagtttct ggccagccga cgtgggtctt      420
ngcaccatgt ctttgatgga gagccccgan aaaggatggc tnaaggaccg aatcacttta      480
tncaggcttt tggacangcc tnttcaggag tnaccctgga caaacttgta cctttgggnc      540
ggngaacacc ncttaagggc naatttcang cactctggcg ggccgtaatt aagggaatcc      600
aacttnggna nccaancttg gggnaaanen tgggcataan ngttccctgn ggnaaatngt      660
attccctncc aat                                     673

```

```

<210> 613
<211> 279
<212> DNA
<213> Homo sapiens

```

```

<400> 613
ggtacaaaag gagacaatcc atccccgaaa gtcataataag atgaactctt cctgtgcaga      60
tatcctgctc tttgcctcct ataagtggaa tgtctcccg ccctcattgc tggctgactc      120
caaggatgtg atggacagca ccaccaccca gaaatactgg attgacatcc agttgcgctg      180
gggggactat gattcccacg acattgagcg ctacgcccgg gccaaagtcc tggactacac      240
caccgacaac atgagtatct acccttcgcc cacagggtgt                                     279

```

```

<210> 614
<211> 653
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(653)
<223> n = A,T,C or G

```

```

<400> 614
gtttccacaa acttcgtgga tcaaaacgag gtcttccagt tctgcggtgc agaaggctga      60
cccgggggtc aaatctgggt gtcggcagtc ctgcactcct tctggaggct ctaggggaga      120
attcattttct ggctttttca ttttttagagg ctgaccgtaa ttcttgactt caggctctct      180
catcttcaga gccagctgtg ggtagttgaa tctttttccc gtcacctcat tgaggcctcc      240
cctctcctgc cccccccac cacttttttt tttttttgag acagggtctt gctgtgttgc      300
ccaggctgga gtgcagtggc ctggtcatgg catcaaggct cactgcagcc tggacctcct      360
ggttcaagtg atcctcttgt ctcagtcctc tgagacaatc cccacgccc agctacatat      420
tttttgtgga tacagggtct cattctgntg cctagcttgt ctggaactcc tgggctcaag      480
ggatcttgga gccttaaccc tncctaaagt cttgggaata taggcatgag tcaactggacc      540
ttgggnccga ccaccttaan ggccgaattt cagcacaatt ggccggccgg tacttagggg      600
annccaactt tgggaccaac ntggngnaa tcatgggcn aactggttnc cng                                     653

```

```

<210> 615
<211> 676
<212> DNA
<213> Homo sapiens

```



<220>  
 <221> misc\_feature  
 <222> (1)...(676)  
 <223> n = A,T,C or G

```

<400> 615
acatgtgaag attttttggc agcttagcgt ggaaaccatt gatcacccctg ctctcatttc      60
tacctgttct gtgttggaac gggagagtgc ccaaatgagc aagatatcgc agcaaaacag      120
cactccaggg gtgaacggaa ttagtggtat ccatacccag gcacatgcc a gggcttaca      180
gcaggttcct cagctgggtgc ctgctggccc tgggggagga ggcaaagctg tggctcccag      240
caagcagagc aaaaagagtt cgcccatgga tcgaaacagt gacgaagtat cggcaacgcc      300
gagagaggaa caacatggct gtgaaaaaga gcccgggtga aaagcaagca gaaagcacia      360
gacacactgn agagagtcaa tcagctcaaa gaagagaatg aacgggttga aagcaaaaat      420
caaattgctg accnanggat taagtgtacn gaagcatgcc aacgccttag ctatggggcc      480
tggtctnctat cagcttggga acccnaaagn accagttttt ccangaatcc ccagaccgaa      540
ngggnccaag gggnccaacg ttcgggactt gaaangggaa aaaaaaactt gancttggca      600
aggacttggg cttncnaaat tgganccgan cccaanggat gaanaacccc ttcaagaaaa      660
ccagcttcct ttctng

```

<210> 616  
 <211> 694  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(694)  
 <223> n = A,T,C or G

```

<400> 616
ggtaccttct agatcttggg gttgatatga atgaaccaa tgcctatgga aatacacctc      60
ttcatgtagc ctgctataat ggacaagatg ttgtagtga tgaacttata gactgtgggtg      120
ctattgtgaa tcaaaagaat gaaaaaggat ttactccttt gcactttgct gctgcatcaa      180
cacatggagc attgtgttta gagcttctag ttggcaatgg ggccgatgtc aatatgaaga      240
gtaaagatgg gaaaacccca ctacacatga ctgctctcca cggtagattc tcccgatcac      300
aaaccattat ccagagtggg gctgtaatcg actgtgagga taagaatgga aatacccctt      360
tgcacatagc aacacggtat ggccatgaan ctgctgatca acacttctta ataccagtgg      420
gtgctgaccc ttgcaaannc gtgggcatac cttggaatgg ttcccccttc cattttggca      480
agcccttaaa ccggnntttt caagaattac tggcnnaaaa accttcnttc ttttanggaa      540
ttnganattn gaaanccccc aanggaattt tngccnggac cttgggntaa catgccantt      600
gnnacttggg agggnaattt gggaanggcc tnaaaccttt tnggngnaaa cctggggccn      660
aacntttatt aaaangggcc caatttnggg gaan

```

<210> 617  
 <211> 554  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(554)  
 <223> n = A,T,C or G

```

<400> 617
cgaggtaccg caaggggaaag atgaaaaaatt ataaccaagc ataatatagc aaggactaac      60
ccctataacct tctgcataat gaattaacta gaaataaactt tgcaaggaga gccaaagcta      120
agacccccga aaccagacga gctacctaaag aacagctaaa agagcacacc cgtctatgta      180
gcaaaatagt gggtagattt ataggtagag gcgacaaacc taccgagcct ggtgatagct      240
ggttggtccaa gatagaatct tagttcaact ttaaatttgc ccacagaacc ctctaaatcc      300
ccttgnaaat ttaactgtta gtccaaagag gaacagctct ttggacacta ggaaaaaacc      360
ttgtagagag agtaaaaaat ttaacaccca tagtaggcct aaaaagcagc caccaattaa      420
gaaagcggtc agactatata tattgcgcca ggtttcaatt tctatcgcta tactttattt      480
gggtaaaatg ggtttggcct aaggggtggc nggaagaaag gtggaatngg aactgcccgg      540
gcnggccgct ngaa

```

```

<210> 618
<211> 305
<212> DNA
<213> Homo sapiens

```

```

<400> 618
acatgtgttc acaaggggta ctctcaaaa cccccagttc tcactcatgt ccccaactca      60
aggctagaaa acagcaagat ggagaaataa tgttctgctg cgtccccacc gtgacctgcc      120
tggcctcccc tgtctcaggg agcaggtcac aggtcaccat ggggaattct agccccact      180
ggggggatgt tacaacacca tgctggttat tttggcggct gtagttgtgg ggggatgtgt      240
gtgtgcacgt gtgtgtgtgt gtgtgtgtgt gtgtgtgttc tgtgacctcc tgtccccatg      300
gtacc

```

```

<210> 619
<211> 604
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(604)
<223> n = A,T,C or G

```

```

<400> 619
acactctcat agtcactgaa agtaatatat actgacctgc aaaagtcaga tgggaagaca      60
taaaggacct catcttttgt tattagtggg tgaaaaagaat ctccatctgt tccattaatc      120
atattgcact tgtctgttat ccaccagtca agtgacgttt tccattcca ttccacaatt      180
tttgtaaagt taaggtaact gtcttctcca gttagaaaaa catagtctcc atcattagtc      240
ccatttttct catagaatag gccaaaatag ggagagatat cgggcctgaa aacatggata      300
agggacaaga ttcatcttt gtagccccag agcaattcgt caactgtgtg agtcacaaag      360
agcttctgct gataggcttt caacatggcc tcgatgatct ccttgaggaa gtgcacctgg      420
gaccactcta tgacagtcaa tacaggaata tttaatggct taattaagtn aaattttaag      480
ggctncaaca gattgggtct cgttcaaaac cataggcctt gttgctaaca gcaganattg      540
gtggttcatt atctncaaat ggaaaattng ctttggttct ggagtnccct naagggtatg      600
gncc

```

```

<210> 620
<211> 571
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (1)...(571)  
 <223> n = A,T,C or G

```

<400> 620
ggtactgtga acatgacttt cagatgctct ttgccccttg ctgtcatcag tgtgggtgaat      60
tcatcattgg ccgagttatc aaagccatga ataacagctg gcatccggag tgcttccgct      120
gtgacctctg ccaggaagtt ctggcagata tcgggtttgt caagaatgct gggagacacc      180
tgtgtcgccc ctgtcataat cgtgagaaaag ccagaggcct tgggaaatac atctgccaga      240
aatgccatgc tatcatcgat gagcagcctc tgatattcaa gaacgacccc taccatccag      300
accatttcaa ctgcgccaac tgcgggaagg agctgactgc cgatgcacgg gaactgaaaag      360
ggggaactat actgncttcc atgcatgat aaaaatggggg tccattgng gtgcttgcca      420
cggccatcaa ggcgctgtga cctatggcaa catgcatgtg gacatttggg gnncagtgtg      480
aaccttntga atgcatataa gaagctgcn tgggactatt accgtntggg ngtgtcctga      540
tcggntnaag ggaggctgtn taaagcggng g                                571

```

<210> 621  
 <211> 581  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(581)  
 <223> n = A,T,C or G

```

<400> 621
acattcggcc tgagggccag gacagtgett tctcctggac ggacctgctg ctgaagaata      60
attctgagct gcttaacaac ctgggcaact tcatcaacag agctgggatg tttgtgtcta      120
agttctttgg gggctatgtg cctgagatgg tgctaccccc tgatgatcag cgcctgctgg      180
cccatgtcac cctggagctc cagcactatc accagctact tgagaagggt cggatccggg      240
atgccttgcg cagtatcctc accatatctc gacatggcaa ccaatatatt caggtgaatg      300
agccctggaa gcggtataaa ggcatggagg ctgacaggca acgggagga acagtgactg      360
gcttggcagt gaatatagct gccttgctct ctgcatgctt caccttacct gcccacggta      420
gtgccaatc agcccaactgc actccactca gctgagatc ngntgacaac ttctgngacc      480
ttggccggac acctaaggca atcaccatgg cgcgtctang gaccactcga ccacttgcca      540
acatggcnat ggtctgngaa tgnccgtaat tccncanntc a                                581

```

<210> 622  
 <211> 644  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(644)  
 <223> n = A,T,C or G

```

<400> 622
actgtttacc agatctttgc agatgagggt cttgggttcag gccagtttgg catcgtttat      60
ggagaatttg caccatcctg ggattgtaaa cctggaatgt atgtttgaaa ccccgagaacg      120

```

|            |            |             |             |            |             |     |
|------------|------------|-------------|-------------|------------|-------------|-----|
| agtctttgta | gtaatggaaa | agctgcatgg  | agatatgttg  | gaaatgattc | tatccagtga  | 180 |
| gaaaagtcgg | cttcagaacg | aattactaaa  | ttcatgggtca | cacagatact | tggtgctttg  | 240 |
| aggaatctgc | attttaagaa | tattgtgcac  | tgtgatttaa  | agccagaaaa | tggtgctgctt | 300 |
| gcatcagcag | agccatttcc | tcagggtgaag | ctgtgtgact  | ttggatttgc | acgcatcatt  | 360 |
| ggtgaaaagt | cattcaggag | atctgtggta  | ggaacttcag  | catacttacc | cctgaagtcc  | 420 |
| ttcngagcca | angtacaacc | gntccctana  | tatgtggncn  | gtgggagtta | tcatctatgt  | 480 |
| gagcctnaat | ggcacatttc | ctttaatgng  | gatgaagatt  | taatgnccaa | tccaaaaggc  | 540 |
| tgganttatg | naccctnggc | cgacccccct  | anggggaatt  | ccannnnntt | ggggggccgt  | 600 |
| tctaaggggn | nccancttgg | gcccacntg   | ggggaancat  | ggcn       |             | 644 |

<210> 623  
 <211> 662  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(662)  
 <223> n = A,T,C or G

|             |            |            |             |            |            |     |
|-------------|------------|------------|-------------|------------|------------|-----|
| <400> 623   |            |            |             |            |            |     |
| acaaaagagct | actccataaa | ttacatcttg | ccaaggtggg  | agattgcatg | ggagactccg | 60  |
| gtgacaaaacc | cttaaggcgc | aataatagct | atacttccta  | taccatggca | atatgtggca | 120 |
| tgctcttgga  | ttcattccgt | gccaaagaag | gtgaacagaa  | gggcgaagaa | atggagaagc | 180 |
| tgacatggcc  | taatgcggac | tccaagaagc | gaattcgaat  | ggacagttac | accagttact | 240 |
| gcaatgctgt  | gtctgacctt | cactcagcat | ctgagataga  | catgagtgtc | aaggcagaga | 300 |
| tggtgtctagg | tgacagaaaa | ggaaagtaat | gggtctctcta | gaagaatggt | atgaccagga | 360 |
| taagcctgaa  | gtctctctcc | tctttcagtt | cctgcaganc  | cttacagcct | gctttgggtc | 420 |
| attcgcccat  | ggtggcaatg | acgtaagcca | tgccattttg  | gcctctgggt | gctttatatt | 480 |
| tggtgtatga  | cccnnagan  | gttcttcaaa | agtggcaaca  | ccaatattgg | nttctactct | 540 |
| antggngggg  | gttgggatct | gnggttggtc | tgtggggttt  | ggggaaaaaa | aagttttccc | 600 |
| naccttgggg  | aaaggatttg | ccnccgttac | accctttaag  | ggtttngtat | ttgactngna | 660 |
| tn          |            |            |             |            |            | 662 |

<210> 624  
 <211> 682  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(682)  
 <223> n = A,T,C or G

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| <400> 624  |            |            |            |            |             |     |
| acaccaagca | tgggactttg | aaataccaga | cagactgtgc | ccctaataat | ggttacttta  | 60  |
| tgatcccttt | gtatgataag | ggggatttca | ttctgaagat | tgagcctccc | ctaggggtgga | 120 |
| gttttgagcc | gacgaccgtg | gagctccatg | tggatggagt | cagtgcacac | tgacaaaagg  | 180 |
| gtggggacat | caactttgtc | ttcactgggt | tctctgtgaa | tggcaaggtc | ctnagcaaag  | 240 |
| ggcagcccct | gggtcctgcg | ggagttcang | tgtctctgag | aaacactggg | acccgaagca  | 300 |
| aagatccagt | ncacagttac | acagnctgcg | gaaagtgtgc | attttttaaa | gttctgcctg  | 360 |
| gagaatatna | aaatcctngt | actcatccaa | cctggggcgt | tgaaagaagc | aagcaccacn  | 420 |
| gtnccntgtt | accaactcca | atgccaatgn | cggnacgtcc | ccttcatagt | tgctggnta   | 480 |

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ccaatngtgg | tcttggcntn | tgteccnaaa | ttgatnngn  | gaagcccctt | gtaangggcc | 540 |
| taaagtcttc | tnntcntttt | cttctttant | ttcctnnang | aaggaanncc | ttgggttnca | 600 |
| ntggntnacc | tgngcctggg | gttccaancc | nnataccnan | nntcttgggg | tatttngcct | 660 |
| acccggtntc | nnaaaaanat | gg         |            |            |            | 682 |

<210> 625  
 <211> 502  
 <212> DNA  
 <213> Homo sapiens

|            |             |            |            |             |            |     |
|------------|-------------|------------|------------|-------------|------------|-----|
| <400> 625  |             |            |            |             |            |     |
| acatttcctt | gtagactctg  | tttaatttct | gcagctcctg | gttgggttctg | gagcagatga | 60  |
| tctcaatgag | agagtccctg  | tcggttccca | gccccttcat | ggaagctttt  | agctcagagg | 120 |
| cgtcatactg | agcaggtgtc  | ttcaataggc | ccaaaatcac | cgtctccagg  | tggccagata | 180 |
| aggctgactt | cagtgtctgat | gcaagttcct | ttttggctct | tctctggtag  | gcgaaggcaa | 240 |
| tatcctgtct | ctgtgcattg  | ctgcgggttg | tcaaaatggt | gacaatgggtg | acctcatcca | 300 |
| cacctttggt | cttgatgggt  | gtttcaatgt | tcaaagcatc | ccgctcagca  | tcaaagttag | 360 |
| tataggcttt | gacagaccca  | tatgcacttg | gggggtgtag | aagtgatcac  | cctccaagct | 420 |
| gagcttgac  | aggaatttcg  | tgaacagtag | acattttgaa | ggaactgggc  | ccgtgcgccc | 480 |
| aagagctgaa | aaccgtccca  | cc         |            |             |            | 502 |

<210> 626  
 <211> 935  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (935)  
 <223> n = A,T,C or G

|            |             |            |             |            |            |     |
|------------|-------------|------------|-------------|------------|------------|-----|
| <400> 626  |             |            |             |            |            |     |
| acattcatca | aagaggaatt  | tgteacccaa | ggccatgtgc  | ttttcagtgg | aaaggaagga | 60  |
| gggaaacctc | taaggccgca  | cgggtggccc | acggagctag  | cacgtgggcg | ggactgaagg | 120 |
| ctagatgctg | ggattgaggt  | ggggaactag | agatgactct  | aaggcaggaa | catctgtacc | 180 |
| ttcggggccg | ganccacgcc  | taagggccga | aattcagcac  | actggccggg | cccgttacct | 240 |
| aagtgggaat | cccgaagctt  | cgggtaccca | aagcctttgg  | gccgtaaaat | caattgggtc | 300 |
| caattaagcc | ttggnttttc  | ccttgggggg | tggnaaaaaat | ttgggtttaa | ttcccggctt | 360 |
| tcaaccaaah | ttttcccaac  | canccaaacc | antttanccn  | aaaacccccn | gggaaaaggc | 420 |
| cnthtttaaa | agggttggtta | aaaaaggnc  | ccttnggggg  | gggtngggcc | cttaaaattg | 480 |
| gaaantttgg | aaacccttna  | aacnnttnaa | nccattttta  | aaattttggc | ccgttttggc | 540 |
| cggcctttta | aactttgggc  | ccccnggttt | tttttcccaa  | agttcccggg | ggaaaaaanc | 600 |
| cttgggtnc  | nttggnccca  | aacnnttggc | canttttnaaa | ttggnaaatt | cnggggcn   | 660 |
| aaacggcccc | ccgggggnna  | aaaaaaggcc | cnggggtttg  | gccggtaant | tnggggcccc | 720 |
| cttttttttc | cgggcttttc  | cctttgggtt | tnaacttggg  | acttcnnttt | tgggncnttg | 780 |
| gggncnttt  | cgggggtttt  | cggncaaaac | cggggatntc  | aagntttanc | ttcaaaaggg | 840 |
| ccgggaaata | ncnggggttt  | ccccngaaa  | tccgggggnn  | aaaccccccg | gaaaaaacct | 900 |
| ttttggacca | aaaggcccnc  | naaangggcc | ggaan       |            |            | 935 |

<210> 627  
 <211> 680  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(680)  
 <223> n = A,T,C or G

<400> 627

|            |             |             |            |             |            |     |
|------------|-------------|-------------|------------|-------------|------------|-----|
| ggtaccacaa | ctcccaggat  | tttcctggat  | caaaccttgt | atctcttctg  | caagtattgt | 60  |
| gtatattggt | ctgagagacg  | tggaccctcc  | tgaacatttt | attttaaaga  | actatgatat | 120 |
| ccagtatttt | tccatgagag  | atattgatcg  | acttggtatc | cagaagggtca | tggaacgaac | 180 |
| atttgatctg | ctgattggca  | agagacaaaag | accaatccat | ttgagttttg  | atattgatgc | 240 |
| atttgacctt | acactgactc  | cagccacagg  | aactcctggt | gtcggggggac | taacctatcg | 300 |
| agaaggcatg | tatattgctg  | aggaaataca  | caatacaggg | ttgctatcag  | cactggatct | 360 |
| tggtgaaagt | caatccctnag | ttggccacct  | nagaggaaga | ngccaagact  | acagctaacc | 420 |
| tggcagtaga | tgnngantgct | tcaagctttt  | gggcagacca | ganaaaaggan | ggcntattgg | 480 |
| ctattgaccc | actttctant  | tccaagttnan | cccgaaggaa | tccgaaaatc  | nagcccctgt | 540 |
| gganaaat   | tttgggaaact | tggcncctgn  | ctggtttacc | aacaggggct  | ttcccnaaat | 600 |
| ttttanggcc | tttnggggggn | ttnanngaaa  | ccctaaaggg | gtnnnctggg  | gccaaaaccg | 660 |
| gccttaanng | ggnaaacttt  |             |            |             |            | 680 |

<210> 628  
 <211> 637  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(637)  
 <223> n = A,T,C or G

<400> 628

|             |            |            |            |             |             |     |
|-------------|------------|------------|------------|-------------|-------------|-----|
| acttgtaggg  | tggaggtgtc | ggtcaaagac | cttctttatg | atatcaagaa  | atagacatgt  | 60  |
| aacaaccatg  | aggattatgg | caaaccaagc | agaaccactt | gacaggagct  | gaataaacac  | 120 |
| aaaatacata  | ttctgggagc | ccaaaaatgg | ccagagaatc | cctccataaa  | acaaggaaaa  | 180 |
| tacaaaataa  | aatataatag | atccccaggt | aacgagatgg | ttgatccaag  | tccaaaaatg  | 240 |
| agtttccaga  | gccatcttta | ctgtgactgt | aataaccatg | actgtgaaga  | ccaaagtgcc  | 300 |
| aaatgtccag  | tttccaaaca | tctggcattt | ccaagcagag | atgtatcttt  | ccctattagt  | 360 |
| aaataggatc  | naaaaagaaa | ataaaggcat | gactgaaccc | aggatggtcc  | aataaaagaaa | 420 |
| tggtttaata  | cttaagaagg | cggttttact | aatggctcga | taaagggtggc | ttaatttggn  | 480 |
| acacatgaag  | gnctacatgc | ttgttccaaa | agactntttt | tcnnaattgg  | tngggaagta  | 540 |
| aaccaatttt  | ggttaaagtc | agggncttg  | gccggaccn  | cttanggcga  | attccnnccn  | 600 |
| ctggggggccg | tcttagggga | ncaacttggg | cccaact    |             |             | 637 |

<210> 629  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(446)  
 <223> n = A,T,C or G

<400> 629  
 actttctcatg tccatgggta atgaaaggca gccatttgtt ttgcgctgtg ctgttctcta 60  
 ttgtttccag tgtttcttgt ataaaaacca aaaaggacaa ggagaaatcg tgtcaacact 120  
 tttaccttct accattgatg caacaggtaa ttcagtttca gctggccagt tattatgtgg 180  
 aggtttgttt tctactgatt cactttcaca ctggtgtgct gctgtggccc ttgcccattgc 240  
 gttgcaagaa aatgccaccc agaaagaaca gttgctcagg gttcaacttg ctacaagtat 300  
 tggcaaccct ncagtttctt tacttcaaca gtgcaccaat attctttcac aggggtgataa 360  
 agatcgacag acgggggaaac naaatacnaa ccaagaagtg gattattaat ggtgctttgg 420  
 accttggncg ngancacctt anggcc 446

<210> 630

<211> 635

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (635)

<223> n = A,T,C or G

<400> 630  
 actagatatt gtgcctgcaa gtcataaaaa aaaaaaaaaa aaaagaaaaa aatgaaagaa 60  
 tgcctttccc cttcagacaa aagaattact tttttcattt ttcttaaaaa aagaggaaaa 120  
 gttataacac gaaacctaaa ttgacttgca aaggaatacc atgtaacaaa tggcttgaag 180  
 tagtctatca aaaaattggg gagattttta tttaatagtg agtcagcaag gcattttttg 240  
 ttgttttaaaa aaaatctcat ttccttacag aaacagtttt tagtttttaa tgaacttgta 300  
 aacnaaaaaag ctcccatttc aaaataaaaa cnaaatccca gatcatatta atgnttacng 360  
 ggggtacctt tatctaagca acatacntac ctgttcagtt gtaaganggt aactaaattt 420  
 ctgngaccaa natgcntttt ttttaatacc cngaacnttn ttgaggtaat gcnnaatcct 480  
 aangggaaac tagngncccc taagntttct taagcnttcc tttaaaagcn gggaattnta 540  
 gccccattaa ccggccnagn tttntatgc ctaaanctg gaantttggn gntnccatta 600  
 atgggttgna acaaaanccc cnttttnaaa ngttt 635

<210> 631

<211> 694

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) ... (694)

<223> n = A,T,C or G

<400> 631  
 actcatctta tactgaaaga acgtgggtggc tctaaatatg aagctgcaaa gaagtggaaat 60  
 ttacctgccg ttactatagc ttggctgttg gagactgcta gaacgggaaa gagagcagac 120  
 gaaagccatt ttctgattga aaattcaact aaagaagaac gaagtttgga aacagaaata 180  
 acaaatggaa tcaatctaaa ttcagatact gcagagcatc ctggcacacg cctgcaaaact 240  
 cacagaaaaa cccgtcgta cacttttaga tatgaaccgc tttcagagta aagctttccg 300  
 tgctgnggct nacaacatgc cagacaggtc gcaacctccc agcagtagga caaccacttn 360  
 agaaggagcc ctcggtacac ctggatacac cattcaaaat tctgntccan ggccaactct 420  
 ttaagccttt ctttgatgtg aaagatgccc tttcagnctt tggnaacttc cagaacgttc 480  
 caancccacn gaaaaaggga aacccgggtan ccttngccgg gaacccccct taaggggcca 540

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| aattccannn | cacttggggg | gnccgttnct | aaaggggatc | ccaaacttng | ggncccaaan | 600 |
| nttgggggga | aancangggg | ccanaaanng | gntcccctgg | gggnaaaaat | ggntatnccg | 660 |
| gttcnaaaan | ttcccccccn | aanatttngg | ggcn       |            |            | 694 |

<210> 632  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

|            |            |             |            |             |            |     |
|------------|------------|-------------|------------|-------------|------------|-----|
| <400> 632  |            |             |            |             |            |     |
| acggccatct | tccagctgct | tgccctgcaaa | gatgagcctc | tgctgggtcgg | ggggaatgcc | 60  |
| ttccttatcc | tggatcttgg | ccttcacatt  | ttcgatgggt | tcactgggct  | ccacctcaag | 120 |
| ggtgatggtc | ttgccggtaa | gggttttcac  | gaagatctgc | attttgacct  | gttagcggat | 180 |
| accaggatcc | tgccaatcac | caaccacgtc  | caccacacag | gacacaaaac  | agctcaccca | 240 |
| acaaagccaa | cc         |             |            |             |            | 252 |

<210> 633  
 <211> 631  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(631)  
 <223> n = A,T,C or G

|            |            |             |             |             |             |     |
|------------|------------|-------------|-------------|-------------|-------------|-----|
| <400> 633  |            |             |             |             |             |     |
| ggtactgttg | attcaacaac | aaaccttaat  | gggtgatgag  | cttttgcata  | ccaatatgaa  | 60  |
| tttgtcagca | cttctgaaaa | ctggccatca  | tttttcaa    | tcacaatttg  | ctggatgtca  | 120 |
| gggaacaata | ggaagaagaa | tgagcgtcaa  | ttttcatgtc  | ttcctttgct  | tcttactgg   | 180 |
| ccttccatag | aagtagtcag | aaaaaaaacaa | agcaccatca  | accacacttc  | acaaaacaatt | 240 |
| catgttggcc | taagctttgc | tcaacattca  | tatgacagaa  | gatagaataa  | tgaaaaggaa  | 300 |
| ctgctggcat | cactttcccc | ataatattac  | ataaaaaatgg | acagcacatt  | aaataaacat  | 360 |
| tctgntatta | atcattaaat | atattaacac  | caaaaaatcat | gtataaaaatt | aggaaaataaa | 420 |
| tgctctgccc | ggccggncgc | tcaaggccaa  | atncagnac   | tggcgggcgg  | tctagtggat  | 480 |
| ccnactcgga | ccaacttggc | gtaacatngn  | catactgggt  | cctgggggaa  | atggtaatcc  | 540 |
| nttacaantc | ncacactnac | anccggaanc  | taaggggtaa  | acttgggtgc  | ctaagaggng  | 600 |
| nctacntnca | ttaatgngtg | gcnctttgcc  | c           |             |             | 631 |

<210> 634  
 <211> 561  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(561)  
 <223> n = A,T,C or G

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 634  |            |            |            |            |            |     |
| gtgaaattgg | tgagtttgg  | ggtgatttcc | cggtgcctgc | aatgaactcc | tggtgaaatg | 60  |
| taggcgaggt | tggaaagtag | ctgggacaga | caggagattt | cctgaagttt | ggagataaac | 120 |
| acgtggtaga | gactggggag | taacacagtg | aaagtgggga | gcttggtgg  | gatccctggg | 180 |



|            |            |             |             |            |            |     |
|------------|------------|-------------|-------------|------------|------------|-----|
| atcctggaaa | tgactggggc | tgaaatgtgg  | gcgtgggttg  | agagtagctg | ggacagacag | 240 |
| gagggtttgt | aagggctggg | ggtgaagacg  | tgagagagac  | tggcgaggat | ctcactgagg | 300 |
| tctctgactt | tctaggtgtt | tctgggggtgt | gggagacata  | caacagctga | aaactggaca | 360 |
| tagttggaca | gcactgggac | agaaaggaga  | tctgtgatggg | tgggggtgac | tgtctattgt | 420 |
| gccaacagan | tacaaaaagt | atatcagacc  | gtttgctttc  | nttgaatggc | ctctggctnt | 480 |
| caaaagcgna | tggtangaca | ctcagagtat  | tctnctaagc  | nttgataata | cactgnntat | 540 |
| nctgcntgtg | tctanctgcn | c           |             |            |            | 561 |

<210> 635  
 <211> 630  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(630)  
 <223> n = A,T,C or G

|             |             |            |            |             |             |     |
|-------------|-------------|------------|------------|-------------|-------------|-----|
| <400> 635   |             |            |            |             |             |     |
| accgaggctg  | ctaaaagctgc | cagtcacaac | ccagcatgtc | aactggttcc  | tcagtctctg  | 60  |
| tttgggtgtg  | aaattcacat  | gtgccctgac | actgaggaag | caattgctta  | aaatcacttt  | 120 |
| ccaataacag  | ctgataaaat  | attttgcagg | tttgtcatgc | aagggtttatt | tattaggtgg  | 180 |
| ctattcaaaag | tttgtatagc  | aaccacttaa | gcagaactaa | attaatatcc  | actgagcact  | 240 |
| gtaacgatgg  | aagagggctt  | ttcctaaggg | ttgggttggg | agttgtgctt  | ctgtgaaatt  | 300 |
| aacatctctc  | actcattgcc  | aagattctct | gcttaaaaat | attagttttc  | tgtgctgggtg | 360 |
| ccaaaatagc  | aatttaagcn  | aatgtagtgc | cagaatgaca | catgaacctn  | ggactnaggg  | 420 |
| aacagttnc   | tgctgnngag  | taccttgggc | ngaacacgc  | ttanggcgaa  | ttccacacac  | 480 |
| tgcgggcgta  | ctaanggatc  | caactnggna | ccancttggc | gaatcatggc  | atactggttc  | 540 |
| ctggggaaaa  | tggtatccgt  | tacaatcn   | cacntaccag | ccggaacct   | annngnaaac  | 600 |
| tgggggccta  | atggngacta  | cntcattant |            |             |             | 630 |

<210> 636  
 <211> 640  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(640)  
 <223> n = A,T,C or G

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| <400> 636  |            |            |             |            |            |     |
| actcctattg | ccgccagtgg | ggcctgtgga | atgagtgtgc  | atggaggccc | tcctgtgctg | 60  |
| ggggaatgag | cccagagaac | agcgaagtag | cttgctccct  | gtgtccacct | gtgggtgtag | 120 |
| ccaggtatgg | ctctgcaccc | ctctgccctc | attactgggc  | cttagtgggc | cagggctgcc | 180 |
| ctgagaagct | gctccagggc | tgacgcagga | gtgggtgcaga | cagaagtctc | ctcaattttt | 240 |
| gtctcagaag | tgaaaatctt | ggaaaccttg | caaacagaac  | agggcatgt  | ttgcaggggt | 300 |
| gacggccctc | atctatgagg | aaaggttttg | gatcttgaat  | gtggtctcag | gatatcctta | 360 |
| tcaganctta | nggtgggtgc | tcanaataag | gcangcattt  | gangaaaaat | cttgggttct | 420 |
| ctttacagtg | cccacttctt | acacaccctt | gaggcaagga  | atgcttgctt | acaagtacct | 480 |
| tgggcgggaa | cacgcttang | gccaaattca | acacacttgc  | cggccgtact | aaagggatcc | 540 |
| ancttnggan | ccaacttggg | ggaaacatgg | cnaaatggtt  | ccntggggaa | atgnaatccg | 600 |
| ttcaattccc | nnaantntca | accggaacct | taagggtaan  |            |            | 640 |

<210> 637  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(470)  
 <223> n = A,T,C or G

<400> 637  
 acctggtgac cttgaatgtg attaggactg ggagctccgt gaggccagag acctatgttc 60  
 atttagccta cataaaagac actcaataaa tagctggtaa aataacaaat gaataaatac 120  
 atatcatcaa ggggtggggg cagtagacag cagtgcccaa gctggcatcc gtcaggaagt 180  
 gtgggccttt gtgttttgat gctacacatg tctatggagg gccacttctt ctgtaagtct 240  
 gtggggcctc agcataccca ataggcagca agtttcagta tttcccagtt gtatgtcctc 300  
 atgggtggggc tatgtctccc ccaccacgtc ccctctcctc aggctagact ttaacatcca 360  
 tcaatcatgt cttgagtctt gctccttcct cttggcttan tcatgtgact acngatcaan 420  
 atcntggcct aatgggttaa gtgtncang taccttnggc cgggcccacg 470

<210> 638  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(391)  
 <223> n = A,T,C or G

<400> 638  
 actggaacat caagttaa at acaaatactc agaactaacc actgtccaac aacagctaata 60  
 tagggagacg ctcatatcat ggctgcaagc tcagatgctg aatccccaac cagagaagac 120  
 ctttatacga aataaagccg cccaagtctt cgccttgctt tttgttacag agtatctcac 180  
 taagtggccc aagttttttt ttgacattct ctcagttagtg gacctaaatc caaggggagt 240  
 agatctctac ctgcgaatcc tcatggctat tgattcagag ttggtggatc gtgatgtggt 300  
 gcatacatca gaggaggctc gtaggaatac tctcataaaa gataccatga gggaacagtg 360  
 cattccaaat ctggtggaat catggnacct n 391

<210> 639  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<400> 639  
 acatgctgac ccaccaggaa ctagcctccg atgggggagat tgaaactaaa ctaattaagg 60  
 gtgatattta taaaacaagg ggtggtggac aatctgttca gtttactgat attgagactt 120  
 taaagcaaga atcaccaaaat ggtagtcgaa aacgaagatc ttccacagta gcacctgcc 180  
 aaccagatgg tgcagagtct gaatggaccg atgtagaaac aagggtgttct gtggctgtgg 240  
 agatgagagc aggatcccag ctgggacctg gatatcagca tcacgcacaa cccaagcgca 300  
 aaaagccatg aactgacagt cccagtacc 329

<210> 640  
 <211> 764  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(764)  
 <223> n = A,T,C or G

<400> 640  
 gcggccgagg tacttcacca tcaactgactc catggacttg atcagccgcc gctggatgta 60  
 tccagtctca gcagtcttga cagccgtgtc aatgagcccc tcacgacccc ccatggcggtg 120  
 gaaaaagaac tcagtgggtg tgaggccggc taggtaggag ttctccacaa agccacggct 180  
 ctccaggccc tagtcctcct tgatgaagtg aggcagagtc cgggtgcttga agccaaatgg 240  
 aatccgcttg ccctcgacgt tctgctgtcc aacgacagcg atgacctggg agatgttaat 300  
 cttggaacct ttagctccgg acacgacccat agacttgaag ttgttgnatt cagacagggga 360  
 tttctgaagc agaaggaacc agtcttggct tgggcattcg gtaanaatgc gggtcacctg 420  
 aatcttcaaa acgtctggnc cgcaaaatgg ttccccctggg ggttggggct tccancntta 480  
 attggtgggg gngccctttn ttggaaggaa ccctctaatt aacggctcctt ggctttgggc 540  
 ctttccttaa ataaggggtg ctngnaaagg gccctngggg aaaggncntt aaaaaaatcc 600  
 nccaatnggg agnnccccc aaggcccca atnngtnttg gancctttaa aanncccggg 660  
 ggaaaaaacc ttttngncaa aaacccccnt ttgggggnccc ttttaanaaa aacccttggg 720  
 aatgggggaa tttnttnncc cccaaaanag gtttnaaaac ccgg 764

<210> 641  
 <211> 540  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(540)  
 <223> n = A,T,C or G

<400> 641  
 ggtacagtag ccatgaacta catacagtga cgctctaga aacgtgggta gtgcaactga 60  
 ggaaggaatt tttaatctta tgtgatttta attggcttaa ctttaaacag ccgcatgtgg 120  
 ttactgtatt ggatagcaca gccctagagc ctgaagaaag caaaccaaag aacaccagct 180  
 ggggtcccaaa cagaaggcag aaagggtaga accatccacc tcaactattc cagcccccac 240  
 agaaggcacc aggaacaggg caagagaaaa aggcaaaaac ccaccagcc catgaaaatt 300  
 cactcctcaa ccaccagca catcaaactg gaacaccaca ctatttcctg aaaaaatata 360  
 ttattatttt ctagaccaag gagatatata tatatagaac cagcacaatt ccacatcctc 420  
 atatatttgg actgtaaaaa acctgttcgc aantttttaa agacanthaa ggcagctagc 480  
 gggtaagtaa aaactgggag gtatgaaaca gagaaggaga gctttantta tnaaaaaaaaa 540

<210> 642  
 <211> 608  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;222&gt; (1)...(608)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 642

|            |             |             |             |            |             |     |
|------------|-------------|-------------|-------------|------------|-------------|-----|
| ggtactagt  | agaagaggga  | atatgcattg  | cagttcagca  | aagccggaat | tctgtgttga  | 60  |
| acagatgtct | gtctccctag  | tgtgtgactc  | acaccttggtg | gctgccttca | gagcgccacc  | 120 |
| tccagatcag | atggggacac  | acaaccctcg  | gatatgtttc  | attgtcagat | tttgtgcttg  | 180 |
| attttaagaa | tgggaattgtg | ggtatctttc  | ctttttttta  | atgtatctta | actgttgctt  | 240 |
| gtcagtgttt | acaaactagt  | gcgttgacgg  | caccgtgtcc  | aagtttttag | aacccttggt  | 300 |
| agccagaccg | aggtgtcctg  | gtcaccgttt  | caccatcatg  | ctttgatgtt | cccctgtctt  | 360 |
| tccctcttct | gctctcaaga  | caaagggttaa | ttaaggacna  | agatgaagtc | actgtaaaact | 420 |
| aatctggcat | tgggtttttac | cttccttttc  | tttttcagtg  | cagaaaatta | aaagttangt  | 480 |
| attaaagcac | ccgtaaaaaa  | aaataactnt  | antacaaana  | aaagcttgtn | caagctttnt  | 540 |
| ttttttntnn | tttttttttt  | ttatttcccc  | ggncaaaaaa  | gttttttnan | tcaaantcaa  | 600 |
| gggttnan   |             |             |             |            |             | 608 |

&lt;210&gt; 643

&lt;211&gt; 669

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(669)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 643

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| acagagtcac | ttacatagat | tatgttgtgc | tttgtgttta | ttctccacac | tttcagtcca | 60  |
| tattctgtcc | tgtatatgtt | tcccattttt | ccaggcattt | tagttccagg | ccagactctg | 120 |
| ccaatatcac | cagttgcaac | agctccagg  | ctcctgtggg | ttttcgtttg | accatgcgta | 180 |
| gcaggctggc | ctttaaatcc | ccatcttttc | atgacacctt | gaaaaccttt | accaatagtt | 240 |
| ttggctgtga | catccacata | ctgtcctgga | cgaaagttag | cagcataaag | aggagtgcct | 300 |
| ggtttaattg | cagcattatc | tgttatatta | aagattttta | ctgtctgttt | cggcggcaat | 360 |
| ccaagttccc | ggtaaaattc | caatatggat | gtagctttac | gaaaacgtga | tcagggtttc | 420 |
| cttctacaga | cagggttgcc | atttttcatt | acagggtttc | ttttgacgta | tattttaaga | 480 |
| catgacagtc | ttgnacacta | gaattatggg | ttaagtttcc | tttggnatta | agagatatat | 540 |
| aaccctttca | aaacaatctg | gtccttaaaa | aatntcaata | atggaatgaa | ttttcttaaa | 600 |
| aaaggggaga | atccaccnnt | gcacctgctt | tgggnntaan | aaaatatggg | taaacattta | 660 |
| cttcctntnn |            |            |            |            |            | 669 |

&lt;210&gt; 644

&lt;211&gt; 572

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(572)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 644

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| acaagctttt | tttttttttt | tttttttttt | tttttttttc | atattcacta | nttgngacat | 60  |
| ntaactgctc | aangatttct | tgaatacggt | tttcaatttg | ancctngtca | ccttttcctt | 120 |

|            |             |             |             |            |            |     |
|------------|-------------|-------------|-------------|------------|------------|-----|
| ttaanagcat | ggcatcgctt  | ttggncacaa  | ngacctntcc  | aacttttcc  | aagtcagag  | 180 |
| gctgaacgct | ttcaanattc  | aggggtcaatc | cctntttctcc | aaacacctac | aaaaagagtt | 240 |
| aaacgtaaac | ctggtttagg  | ttacagtttn  | tgccattata  | ccaagttnat | taatacncca | 300 |
| tgcaananaa | tcatcaaaat  | actttatttc  | tttgaaatga  | gagattttta | natcactgtt | 360 |
| agtccanaac | aagacttgag  | tatagtctnt  | ttcactgnat  | ttccaaattc | tcaattttca | 420 |
| caactggggt | aattattacc  | agcnttactt  | gnnaaaaaaa  | cnttcnaagg | tcacacttac | 480 |
| tggaanagc  | caggacaana  | ncataggccn  | ttgactntta  | agtcctanaa | tccttggnna | 540 |
| catacncttt | taccttttnaa | actgnggctt  | gg          |            |            | 572 |

&lt;210&gt; 645

&lt;211&gt; 690

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(690)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 645

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ttgtgagacc | ctcttcattc | tgggtgtgtc | cttgaaccaa | cagcatcccc | tggaacgcc  | 60  |
| caagcaagac | caaggcagat | actatgaggc | aggcagcaca | gggcccacaa | caagaattgg | 120 |
| tgcatgcaaa | tcagggctgt | gggagaggcc | ctatgtattc | cggattccca | gggcttgctc | 180 |
| taattcttgt | cgtctctgct | gcaccttgga | gtagaagtat | cggcacacag | cctcctgagc | 240 |
| ccagggctgg | aagtagaact | cagctcggcg | ctcctcctct | gggttaccca | ccacatcagt | 300 |
| cattgtcttg | aggtccctgc | actgggactg | aagccagtca | ttgatgaaac | cctgagggtc | 360 |
| tctggccaaa | cttaacatga | actcccgtcg | agtcttcagc | tggttgatgg | gtttctattg | 420 |
| gctcatggat | cttgggtggc | aaagtaccaa | tcttctggtg | gcccggcant | gggacagcag | 480 |
| aaaaagaaat | catcttgggg | ctttcaagg  | ggcattcact | ttnaccatca | atggcataac | 540 |
| aagctggcct | ttttctnaac | attcgggtca | acactgatga | cattgaataa | nganaatagg | 600 |
| ttntggnggc | attaaccang | natggaaccn | cttagggact | ttgaaactta | tcnntgagac | 660 |
| ttaananttn | tngggacctt | gccgaacncc |            |            |            | 690 |

&lt;210&gt; 646

&lt;211&gt; 770

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(770)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 646

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| cgaggtacat  | tccgctcacg | gatctcagct | tccagatggg | ggatgaactg | gaggcagtg  | 60  |
| ccaacatccc  | cctgggtgcc | gatgaggagc | tggacgcttt | gaagatcaag | atctcccaga | 120 |
| tcaagagtga  | catccagaga | gagaagaggg | cgaacaaggg | cagcaaggct | acggagaggc | 180 |
| tgaagaagaa  | gctgtcggag | caggagtcac | tgctgctgct | tatgtctccc | agcatggcct | 240 |
| tcaggggtgca | cagccgcaac | ggcaagagtt | acacgttcct | gatctcctct | gactatgagc | 300 |
| gtgcagagtg  | gaggggagaa | catccgggag | cagcaagaaa | gaagtgtttc | anaaagcttt | 360 |
| ctcccttgac  | atcccgtgga | gcttgcanaa | tgccctgacc | aacttcgtgt | tggtggaaac | 420 |
| ttccagaact  | tgtnacaaag | catttcccgc | ttgaccattt | caatttaagg | gaagaatgaa | 480 |
| tgaagtcttc  | cnggggcttt | ttattggggt | tttctggaat | ggtcattcan | tcacttnaa  | 540 |

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|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| geccncttgg | gaattttaaag | cccgagggtt | caaaatcttg | tanccttggc | ccngggccgg | 600 |
| gccggttcca | aaggggacgaa | atttccagcn | cacttggng  | ggccggtact | tannggggat | 660 |
| cccaacttcg | gnncccaacc  | ttggnggnaa | ancatngggc | ctanctnggt | tccncggng  | 720 |
| gaaaatggta | ttncctgtcc  | aatttcccc  | cannttttna | accggagctt |            | 770 |

<210> 647  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(454)  
 <223> n = A,T,C or G

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| <400> 647  |            |            |            |             |            |     |
| acttggaatc | ctccaggaag | ggcttcagga | cctgggtggg | gaagaccttc  | atcaggatct | 60  |
| tgtgtttccg | cagctggtgt | cgcataagaa | gcttgctctc | tgcactcaga  | gccacattct | 120 |
| ggcagacggc | tatcattcgg | ttgtcctgga | aaactgctgc | tatctcccgg  | cggagaagcc | 180 |
| tgatgaggcc | tatctcctcc | tgtggggggc | tgggaggaga | tggcacgtat  | cttccaagta | 240 |
| tgttctgaaa | attaaacag  | gtaacctatt | tttgatgtta | tttcaaaactg | ctatattcat | 300 |
| ctatgtctag | ttaaaaacaa | tttttggttt | attcacttac | ataatgttct  | tatagtata  | 360 |
| ttttttccac | ttattccana | agtgttaggt | gattattcta | cacttcttgn  | gcccattcta | 420 |
| tggagaataa | agatgggtct | nggccgcgac | cacc       |             |            | 454 |

<210> 648  
 <211> 532  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(532)  
 <223> n = A,T,C or G

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| <400> 648  |            |            |            |             |            |     |
| ggtacatgtg | ggagaaaaac | ttaagtgtga | tgagtgtggt | aaggaattca  | gtcagggcgc | 60  |
| tcatctacag | acccatcaga | aagtccacgt | gatagagaaa | ccatacaaat  | gtaagcaatg | 120 |
| tgggaaagg  | ttcagtcgta | gatcagcact | taatgttcat | tgcaagggtcc | acacggcaga | 180 |
| gaaaccttat | aattgtgagg | agtgtgggag | ggccttcagt | caggcctctc  | atcttcagga | 240 |
| ccatcagaga | ctccacactg | gggagaagcc | attcaaatgt | gatgcatgtg  | gtaagagctt | 300 |
| cagtcggaat | tcacatcttc | aatcccatca | aagagtccat | acaggagaga  | aaccatacaa | 360 |
| atgtgaggag | tgtggtaagg | gcttcatttg | tagctcaa   | ctttacattc  | atcagagagt | 420 |
| ccacacagga | gaaaaaccct | ataaatgtga | ggaatgtggt | aaaggcttta  | gtcggncctc | 480 |
| aagtcttcag | gcccacacag | gagttcacac | tggagagaag | tcatacatat  | gt         | 532 |

<210> 649  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

|            |            |           |            |            |            |    |
|------------|------------|-----------|------------|------------|------------|----|
| <400> 649  |            |           |            |            |            |    |
| ggtacaaaat | tggttgaatt | tagctaata | aaaaacatag | taaatattta | caaaaacgtt | 60 |

|            |             |              |             |            |             |     |
|------------|-------------|--------------|-------------|------------|-------------|-----|
| gataacatta | ctcaagtcac  | acacatatataa | caatgtagac  | aggtcttaac | aaagtttaca  | 120 |
| aattgaaatt | atggagattt  | cccaaaatga   | atctaatagc  | tcattgctga | gcatgggttat | 180 |
| caatataaca | tttaagatct  | tggatcaa     | gttggtccccg | agtcttctgc | aatccagtc   | 240 |
| tcttagaaat | tgggtttctct | ctttgggaga   | ttcagactca  | gaggcagcca | gaggggacag  | 300 |
| gtcaagagct | gaaataatca  | cataactact   | ctaattttct  | tcattctatt | gactgtgtca  | 360 |
| agttatagac | acagccaaag  | tgtttttctt   | ctgcctctga  | tgatttgaga | agatgaagaa  | 420 |
| catgagcaat | ttctcattgc  | ttaaagaaaa   | acttggcaca  | taagaggctg | agtgtagtag  | 480 |
| agtatctgtc | ctg         |              |             |            |             | 493 |

&lt;210&gt; 650

&lt;211&gt; 693

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(693)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 650

|            |             |             |             |            |             |     |
|------------|-------------|-------------|-------------|------------|-------------|-----|
| gagacttttg | atccttctctg | aggacgtgga  | gaaaacttgc  | tgctgagaag | gacattttga  | 60  |
| aggttttgtt | ggctgaaaaa  | gctgtttctg  | gaatcacccc  | tagatctttc | ttgaagactt  | 120 |
| gaattagatt | acagcgatgg  | ggacacagaa  | ggtcacccca  | gctctgatat | ttgccatcac  | 180 |
| agttgctaca | atcggtctct  | tccaatttgg  | ctacaacact  | ggggcatca  | atgctcctga  | 240 |
| gaagatcata | aaggaattta  | tcaataaaaac | tttgacggac  | aagggaaatg | ccccaccctc  | 300 |
| tgaggtgctg | ctcacgtctc  | tctggncctt  | ggctgtggcc  | atattttccc | nccgggggtat | 360 |
| gaacggnttc | ttttccgcg   | gactctttcg  | caaccnttt   | ggcaggcccc | attcaatgct  | 420 |
| gaatggcaac | ctggtngetg  | cactgggtggc | tgctttattg  | ggactgggtn | aaggaactta  | 480 |
| ntccggttgn | aatgcttgat  | nccgggnccc  | ttnggttaatt | gggcnttttn | tgnggactnt  | 540 |
| tggncaaggt | ttgggnccca  | tgtanccttg  | ggccggnaac  | acccttangg | gcnaanttcc  | 600 |
| gcncacttgg | ccgggcccga  | ctanagggaa  | tcccacttgc  | gnacccaacn | ttggggnaaa  | 660 |
| catnggcana | actgggttccc | ggggggaaaa  | tgg         |            |             | 693 |

&lt;210&gt; 651

&lt;211&gt; 678

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(678)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 651

|             |            |            |            |             |            |     |
|-------------|------------|------------|------------|-------------|------------|-----|
| ggtacgaagt  | ttgttaccac | agtagagata | atntagtaga | aaaatgcttt  | gaggcttcag | 60  |
| tatttgtaag  | atattgcatt | agccagatgc | taggttggtg | aaggcatttc  | agtgttgata | 120 |
| ataacctgag  | cagacttctt | tacaaatggg | atctgtttct | atatgtgtat  | atgccactt  | 180 |
| accattcaga  | gagactgggc | tttctctttg | tcttccctca | cattgctgtg  | tcagttctac | 240 |
| acctagtctt  | ttcagcactt | agcaaattca | aattttgatt | tttttgctcag | cttagttcac | 300 |
| tttaaggcat  | attggcatgg | tgtgtgaaag | tgatgttttg | ccccagtatt  | gaggactttt | 360 |
| agatccnaat  | aatgactcat | taaatataat | tatgttttaa | gtatacctga  | atctctggta | 420 |
| gcttaaaaatg | ttaattctca | ggaatgattt | tctcacactt | ttgggggtggc | taataataaa | 480 |
| agcactgggtt | tattctcaaa | actccttttt | tcaaaattag | ggagagagcn  | naagtggaca | 540 |

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ttttatgtga | acccctttgn | aaanatgggg | gntngantgc | ngagaaacca | atggagtttt | 600 |
| ngntgcnaaa | aggttttttc | ccgnaangta | aaattggaat | aantggcnat | tgaggacctt | 660 |
| tgnnctgccc | ggcgccnn   |            |            |            |            | 678 |

<210> 652  
 <211> 676  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(676)  
 <223> n = A,T,C or G

|            |               |            |            |            |            |     |
|------------|---------------|------------|------------|------------|------------|-----|
| <400> 652  |               |            |            |            |            |     |
| ggtacaagct | tttttttttt    | tttttttttt | ttttttgtg  | tttaaagtca | ttttattttt | 60  |
| agacaacctt | catgacatgt    | ttttcttaaa | aacaatgcct | ccactccaaa | taaatcacag | 120 |
| tcaaaataaa | tgaagagctc    | aagatgacat | cagtccatt  | tgtcttaagt | cctggtgttg | 180 |
| tgtggatgac | aagcagaagc    | cagttatgat | gacaggtgat | agatccaaaa | taattgccac | 240 |
| atttggtaac | atttttccat    | ttctaaacca | tccttaaga  | aaatcatata | tggggtcaca | 300 |
| ccatcctcac | ggtagtccaa    | tagagcaacc | atgccatctg | gattcatgtt | ttcaccaata | 360 |
| aagaactggg | aagtttttga    | aattagcaag | ggatgtgctt | gatttgttct | gcaaccctg  | 420 |
| gcataaaaa  | gtttactctt    | tctnggctct | ggtctttaag | gttncctttg | aatggattca | 480 |
| tgtaaccttt | gatgtacctt    | ggcccggccg | gccaagggac | ntgtaaaagn | gccccaatcc | 540 |
| acccganaaa | aaataagggg    | tttnttccgc | gnttanganc | tcctttggac | cttttttaan | 600 |
| cttgccctg  | nn ggaaattaat | ctggccnttt | acctnggana | atagaaaata | ntttttcccg | 660 |
| naaccttgaa | cttcnn        |            |            |            |            | 676 |

<210> 653  
 <211> 468  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| <400> 653  |            |            |            |            |             |     |
| tcgagcggcc | ccgggcaggt | actccagcat | tggttatagt | catgggaaag | gaagggtgtcc | 60  |
| acggaggcac | acttaacaag | aaagcatatg | aactcgcttt | atacctgagg | aggtctgatg  | 120 |
| tgtaagcagc | ctctcccat  | ctacctagca | actgtcttca | tcaacaaccc | taattatggg  | 180 |
| cacaatgcta | ccaaactgta | gatggtagct | aatttttctt | tacctatttt | ctaattgtcat | 240 |
| gattcctgtt | tgcccaatgg | atcatttgta | tgtaaccac  | tgtatgtaac | caacccttat  | 300 |
| ctggcaacat | aattgcagca | caataatgat | ttgcatgata | ccttgaaatt | ggggggaggg  | 360 |
| ggcatgccaa | gttgggcatc | actttgtctt | agcaattaat | gggatattga | ttactaaaat  | 420 |
| aagttaatat | taaacaaggt | gccggttgta | ccttggccgg | gaacacgc   |             | 468 |

<210> 654  
 <211> 612  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(612)  
 <223> n = A,T,C or G



```

<400> 654
actgaagagc ccatggatac tacttctgca gttatccatt cagaaaatTT tcagacattg      60
cttgatgctg gtttaccaca gaaagttgct gaaaaactag atgaaattta cgttgccagg      120
ctagttgcac atagtgtatt agatgaaaga gctattgaag ctttaaaaga attcaatgaa      180
gacgggtgcat tggcagttct tcaacagttt aaagacagtg atctctctca tgttcagAAC      240
aaaagtgcct ttttatgtgg agtcatgaag acttacaggc agagagaaaa acaagggaCC      300
aaagtagcag attctagtaa aggaccagat gaggcaaaaa ttaaggcact cttggaaaga      360
acaggctaca cacttgatgt gaccactgga cagaggaagt atggaggacc accttcagat      420
tccgtttatt caggtcagca gccttctgtt ggcacctgag atatttgtgg ggaaagatcc      480
caagagatct atttgaggat gaacctggtt cantaatTTg agaaaacctn gacctatatg      540
gggatcctcg tctaattgat ggatcccttc actgggcttn aataaanggt ntgccgttgg      600
caantttttg nc                                     612

```

```

<210> 655
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

```

```

<400> 655
ggtactttgt cctggaggaa gggcacgact acacttcttc caaggggcag aacatgggtg      60
gcggcgccat gggctgcaac aatgattccc tggTgcagca gatatttaac gcggcgCagc      120
tggacaacta taccogaata ggcttcgccc cctcgctctg gatcgacgat tatttcgact      180
gggtgaagcc acagtcgtct tgctgtcgag tggacaatat cactgaccag ttctgcaatg      240
cttcagtggT tgacctgccc tgcgttcgct gcaggcctct gactccggaa ggcaaacaga      300
ggcctcaggg gggagacttc atgagattcc tgcccatgtt cctttcggat aaccctaacc      360
ccaagtgtgg caaaaggggg acatgctgcc tatagtctgc agttaacatc ctccttgGCC      420
atggcaccag ggtcngaacc acgtactaca atgaanccac aggtggcaaa atgttcctcg      480
tgcttctgtg ggattaaact gggaccatgg cttgtcctag ncctttgcng ncttaaccaa      540
cacttgattg canttgggag taaatggcaa gcctccagag cncactgtnt tgctgaggac      600
tccgcgcc                                     608

```

```

<210> 656
<211> 659
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(659)
<223> n = A,T,C or G

```

```

<400> 656
accaaactga ccaatgggct gcaagaggtt tagattattg ctaccacaa aattctgagc      60
caaattgata atgggtcatca ttagtgacat ctgcgccatga tgataagaag acatttcagc      120
cactgatcca gctaattggg caacctttac ttctcgcttg tcattccggt tgaagcaagt      180
aaacaaaacc tttctctgac ctggtttcaa accatccacc atagaaggga tagatctctc      240
gttatcagaa tttgagaaca agataagttc cttgttgatg aagtcattat atgtcagata      300
tgtggtagtt tgtccataca agtaatcttc aggaagccca agtaactttc gttgtcttct      360

```

|            |            |             |             |             |            |     |
|------------|------------|-------------|-------------|-------------|------------|-----|
| atcctccatg | aaattagtta | accatttcctt | tcgatcatct  | atctgttttt  | tgctaaaggc | 420 |
| caggctgata | gcagcatcat | cttcaggacc  | agaatatattg | aactggatac  | gatgtctttt | 480 |
| catatctgca | aagtatcttt | acttcctttg  | atgtgctggt  | gccccaaacct | ttgnaatatt | 540 |
| ggcttttcat | ttttatgatt | gggagtagaa  | ctcttnctact | cttcaaattc  | aggaangctt | 600 |
| naaaatgcct | ttcttgcttg | gtttagance  | tttccatggg  | agtgataaat  | cctccgaaa  | 659 |

<210> 657  
 <211> 676  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)... (676)  
 <223> n = A,T,C or G

|            |             |            |             |             |            |     |
|------------|-------------|------------|-------------|-------------|------------|-----|
| <400> 657  |             |            |             |             |            |     |
| ggtacagaat | tatataattc  | taacgcttaa | atcatgtgaa  | aggggttgctg | ctgtcagcct | 60  |
| tgcccactgt | gacttcaaac  | ccaaggagga | actcttgatc  | aagatgcccc  | accctgtgat | 120 |
| cagaacctcc | aaataactgcc | atgagaaact | agagggcagg  | tcttcataaa  | agccctttga | 180 |
| acccccctcc | tgccctgtgt  | taggagatag | ggatattggc  | ccctcactgc  | agctgccagc | 240 |
| acttggtcag | tcactctcag  | ccatagcact | ttgttccactg | tcctgtgtca  | gaacactgag | 300 |
| ctccaccctt | ttctgagaag  | ttattacagc | cnagaaagtg  | tgggctgaaa  | aatgggtggg | 360 |
| ttcatggttt | tggattaatg  | gatctttttg | gatgggaaag  | actatatttt  | gggacctcat | 420 |
| cttttcccag | gatgaccag   | aagctanaac | ctgctaaaag  | gattcttgga  | acntgaaggg | 480 |
| tattaatacn | aaccnntca   | tggnggnatc | ctnggaacct  | gccgggaaga  | aggcctttgg | 540 |
| cccgtttaat | gcncgggtgc  | tnaacaagtc | tgnttcttgn  | ntttcacttc  | ancttggggc | 600 |
| cctggaatca | netggcncctg | gtgnncagtt | taactatgnc  | ttgntggaac  | ccctaaggcc | 660 |
| ttangcctta | ccaaag      |            |             |             |            | 676 |

<210> 658  
 <211> 646  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)... (646)  
 <223> n = A,T,C or G

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| <400> 658  |            |             |            |            |            |     |
| ggtacaatgg | aacaacaac  | aagaacacac  | ctgtctatgt | gtcctcacca | acctgggaga | 60  |
| atcacaatgc | tgtgttttcc | gctgctggtt  | ttaaagacat | tcggtcctat | cgctactggg | 120 |
| atgcagagaa | gagaggattg | gacctccagg  | gcttcttgaa | tgatctggag | aatgctcctg | 180 |
| agttctccat | tgttgctctc | cacgcctgtg  | cacacaacct | aactggaatt | gacccaactc | 240 |
| cggagcagtg | gaagcagatt | gcttctgtca  | tgaagcaccg | gtttctgttc | cccttctttg | 300 |
| actcagccta | tcagggtctc | gcactctggaa | acctggagag | agatgcctgg | gccattcgct | 360 |
| attttgtgtc | tgaagcttcg | agttcttctg  | tgcccatcct | tctccaagaa | cttcggctct | 420 |
| acaatgagag | agtcnggaat | ctgactgntg  | gttggaaaag | aacctgagaa | catcctgcaa | 480 |
| gtcctttcca | gatgagaaaa | tcgtgccgat  | tacttggtcc | aatcccccg  | ccaaggagcc | 540 |
| cnaattgtgg | ccagcacent | tttaacctga  | cttttgagga | tggcnggtat | ntgaaacatg | 600 |
| gtnaccgatc | tggcctgana | ctgactnnng  | ncnntnaanc | ctaaan     |            | 646 |

<210> 659  
 <211> 673  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(673)  
 <223> n = A,T,C or G

<400> 659

|            |            |             |            |            |             |     |
|------------|------------|-------------|------------|------------|-------------|-----|
| actgtgtcca | acagctgaag | gaatttgagg  | ggaagacttt | agtgtcagtc | accaaagaag  | 60  |
| gcctggaact | tccagaggat | gaagaagaga  | aaaagaagca | ggaagagaaa | aaaacaaagt  | 120 |
| ttgagaacct | ctgcaaaatc | atgaaagaca  | tattggagaa | aaaagttgaa | aaggtggttg  | 180 |
| tgtcaaaccg | attggtgaca | tctccatgct  | gtattgtcac | aagcacatat | ggctggacag  | 240 |
| caaacatgga | gcgaatcatg | aaagctcaag  | ccctaagaga | caactcaaca | atgggtttaca | 300 |
| tggcagcaaa | gaaacacctg | gagataaaacc | ctgaccattc | cattattgag | accttaaggc  | 360 |
| aaaaggcaga | ggctgataag | aacgacaagt  | ctgtgaagga | tctggtcatc | ttgctttatg  | 420 |
| aaactgcgct | cctgncttct | ggcttcagtc  | tggaagatcc | cagacacatg | ctaacaggat  | 480 |
| ctcagggatg | atcaaacttg | gtctgggtat  | tgatgaagat | gaccctactg | ntgatgatcc  | 540 |
| catgcttgct | gnaactgaag | aaatgccnc   | ccttgaagga | gataccacc  | ctnacgcctg  | 600 |
| ggaanaagtn | actaactttg | gcttanggat  | nnttaccngt | cagaccttgg | ncggaccccc  | 660 |
| ttagggcnaa | tcc        |             |            |            |             | 673 |

<210> 660  
 <211> 580  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(580)  
 <223> n = A,T,C or G

<400> 660

|             |            |             |            |            |            |     |
|-------------|------------|-------------|------------|------------|------------|-----|
| acaaaacgcc  | acattctcac | ttgtattggg  | agctgaaaaa | tgggatcaca | tggacgcagg | 60  |
| acgggggaaca | acacacactg | gggcttttctg | ggagacagag | cgtaagaaa  | aacagctgat | 120 |
| gcatgctggg  | cttaatacct | aggtgacggg  | ttgacaggtg | cagcaaacca | ccatggcact | 180 |
| cgtttacctt  | agtaacaaat | atacacatcc  | tgcccatata | ccccagaact | tagaaacaga | 240 |
| acgaaacaaa  | agaaaacgag | aaagcaatag  | caaatcgcta | gcgggaaaac | aaattttcaa | 300 |
| actcagaaaa  | tgacagacca | atttttgctt  | caaatcatgg | ttcttaacc  | aggtgccata | 360 |
| agggtcaggat | aaagaatttg | attacatatt  | gtaaataaga | catgcagcaa | atgaccagaa | 420 |
| aaattattcc  | caacatatgt | gtgtcttcga  | attcaatggg | gacgctatct | accgggacat | 480 |
| aacattagat  | tccaaagggc | cgagtnncac  | aagactgncc | tnccatacta | ataacnatga | 540 |
| aagccctaag  | ttgggtttac | ctgcttttnt  | ancagctggg |            |            | 580 |

<210> 661  
 <211> 710  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;222&gt; (1) ... (710)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 661

|            |            |             |              |             |            |     |
|------------|------------|-------------|--------------|-------------|------------|-----|
| ggtacatata | aatgaatctg | gtgttgggga  | aaccttcac    | tgaaacccac  | agatgtctct | 60  |
| ggggcagatc | cccactgtcc | taccagtgtc  | cctagcccag   | actctgagct  | gctcaccgga | 120 |
| gtcattggga | aggaaaagt  | gagaaatggc  | aagtctagag   | tctcagaaac  | tccccgggg  | 180 |
| gtttcacctg | ggccctggag | gaattcagct  | cagcttcttc   | ctaggtccaa  | gccccccaca | 240 |
| ccttttcccc | aaccacagag | aacaagagtt  | tgttctgttc   | tgggggacag  | agaaggcgct | 300 |
| tcccaacttc | atactggcag | gaggggtgagg | agggttcaactg | agctccccag  | atctcccact | 360 |
| gcggggagac | agaaacctgg | actctgcccc  | acgctgtggc   | cctggagggt  | cccggttgnc | 420 |
| agttcttggg | gctctgtgtt | cccagaggca  | agccggagggt  | ttgaaagaaa  | ggaacctggg | 480 |
| atgaaggggt | gctgggtata | aaccagaaaa  | gggatnggggt  | tctgnttcc   | aangggaccc | 540 |
| ctttggcctt | tcttctggcc | tttctaagg   | cccaggngctg  | gggnttggnc  | ccttgggccc | 600 |
| ngaaccacgc | ttaagggccg | aaattccagc  | acacttggcc   | ggccgggtacc | tagtgggatc | 660 |
| ccaactttgg | gtccaaactt | tggcgtaaat  | catngggcct   | aacttngttn  |            | 710 |

&lt;210&gt; 662

&lt;211&gt; 411

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 662

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| ccaaaatctg | gaatgttcat | agtgtcctca | atgtccttca  | ttccctggta | gacaaatcca | 60  |
| acatcaaccg | acagtgggag | gtatacacaa | gcgagggtga  | ccctgagagt | gtggctgggg | 120 |
| agtatgggcg | gcactccctc | tacaaaatgc | ttgggttactt | cagcctggtc | gggcttctcc | 180 |
| gcttgactc  | cctgttagga | gattactacc | aggccatcaa  | ggtgctggag | aacatcgaac | 240 |
| tgaacaagaa | gagtatgtat | tcccggtgtc | cagagtgcc   | ggtcaccaca | tactattatg | 300 |
| ttgggtttgc | atatttgatg | atgcgtcggt | accaggatgc  | catccgggtc | ttcgccaaca | 360 |
| tcctcctcta | catccagagg | accaagagca | tgttccagag  | gaccacgtac | c          | 411 |

&lt;210&gt; 663

&lt;211&gt; 633

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (633)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 663

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggtacttggg | tttaatgctc | gtcagcgaaa | agcctttctt | aatgcaatta | tgcgatatgg | 60  |
| tatgccacct | caggatgctt | ttactaccca | gtggcttgta | agagacctgc | gaggcaaatc | 120 |
| agagaaagag | ttcaaggcat | atgtctctct | tttcatgcgg | catttatgtg | agccgggggc | 180 |
| agatggggct | gagacctttg | ctgatgggtg | cccccgagaa | ggcctgtctc | gccagcatgt | 240 |
| ccttactaga | attggtgtta | tgtctttgat | tgcgaagaag | gttcaggagt | ttgaacatgt | 300 |
| taatggggcg | tggagcatgc | ctgaactggc | tgaggtggag | gaaaacaaga | agatgtccca | 360 |
| gccagggtca | ccctccccaa | aactcctaca | ccctccactc | caggggacac | gcagcccaac | 420 |
| actcctgcac | ctgtccacct | gctgaagatg | gataaaatng | aaggaaaata | cctcaaagaa | 480 |
| ganagagctn | gaaggagaaa | aggaggttaa | actacagccc | tgaactgcc  | tgatgactgc | 540 |
| ccggcgggcg | tcaaaggcna | atcaaccatn | gcgcgntnta | atggntcaac | tnggaccant | 600 |
| tgcnaacatg | cnaacttgct | ctgggaaatg | nnc        |            |            | 633 |

<210> 664  
 <211> 598  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(598)  
 <223> n = A,T,C or G

<400> 664

|          |          |          |          |          |           |     |
|----------|----------|----------|----------|----------|-----------|-----|
| gcgtggtg | gcccagag | ctgggtcc | atgctgg  | agttacac | ggctttgc  | 60  |
| ctgcgctc | atgtggac | accaaaaa | agctggac | cacaattg | atccaccct | 120 |
| tctgtgc  | ggtattca | acattgtc | tgaccaag | ctctgggg | agcatcct  | 180 |
| aggctgg  | ctgaggtt | gcccagtg | ggatgctg | gccaagac | caaaccact | 240 |
| gctcgttt | gtgccc   | ccaaggcg | gttttcta | gggttctt | gctcttgg  | 300 |
| cctgcgtg | ctgtgctt | caccgcca | gccccctt | atctcttt | ataggagt  | 360 |
| tgaataga | cagcacat | cacttggg | actgcaga | ttgaantt | cattggcag | 420 |
| catcnagg | natccatg | tcaccagt | nagccatg | taggcgat | acactgcaa | 480 |
| tatttac  | ccttctgg | attctatc | tggaaagt | nnn      | ggtgatttc | 540 |
| naanatta | na       | taaa     | actn     | cat      | tatttgc   | 598 |

<210> 665  
 <211> 658  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(658)  
 <223> n = A,T,C or G

<400> 665

|           |          |          |          |          |           |     |
|-----------|----------|----------|----------|----------|-----------|-----|
| acccaaaag | agtgagg  | ctctgcag | ggagaatc | gagcctgg | tgtggga   | 60  |
| gcagcatc  | tgtggcag | gatgagag | ccatcagc | gggccc   | ccgacctt  | 120 |
| gggaactg  | gtacagg  | gacacagc | agtccttc | acac     | tgagccc   | 180 |
| ctctgcat  | ggttttct | gagccggt | ccatgggt | ctcactcc | ttggtgat  | 240 |
| caagagat  | gaagtaa  | gagaaaga | agatcaag | actgccag | tacagcccc | 300 |
| aaaccctc  | atgtccag | gactcctc | actccac  | ctc      | catggc    | 360 |
| catgtgc   | act      | gggaccg  | gaag     | aaac     | caag      | 420 |
| ggtgcctt  | tt       | taaa     | act      | tcctg    | anggt     | 480 |
| ctttttt   | ct       | ggttgc   | ttt      | ta       | tgcc      | 540 |
| tgnttcg   | aan      | tg       | g        | ntt      | ctac      | 600 |
| tttttct   | ct       | g        | aa       | acc      | ctncca    | 658 |

<210> 666  
 <211> 349  
 <212> DNA  
 <213> Homo sapiens

<400> 666

|          |         |        |         |     |          |    |
|----------|---------|--------|---------|-----|----------|----|
| gcggcggc | gggaagc | gagcag | ggaggat | gcg | ggagtccc | 60 |
|----------|---------|--------|---------|-----|----------|----|

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| agccatggcc | ctccacagcc | cgcagtatat | ttttggagat | tttagccctg | atgaattcaa | 120 |
| tcaattcttt | gtgactcctc | gatcttcagt | tgagcttcct | ccatacagtg | gaacagttct | 180 |
| gtgtggcaca | caggctgtgg | ataaactacc | tgatggacaa | gaatatcaga | gaattgagtt | 240 |
| tggtgtcgat | gaagtcattg | aaccacgtga | cactttgccg | agaaccccc  | gctacagtat | 300 |
| ttcaagcaca | cttgaaccct | cagccctga  | atttattctc | ggtgtacc   |            | 349 |

<210> 667  
 <211> 768  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(768)  
 <223> n = A,T,C or G

|            |            |             |             |            |             |     |
|------------|------------|-------------|-------------|------------|-------------|-----|
| <400> 667  |            |             |             |            |             |     |
| ggtggcgagg | tggaggccca | ggactctgac  | cctgccccctg | ccttcagcaa | ggcccccggc  | 60  |
| agcgccggcc | actacgaact | gccgtgggtt  | gaaaaatata  | ggccagtaaa | gctgaatgaa  | 120 |
| attgtcggga | atgaagacac | cgtgagcagg  | ctagaggtct  | ttgcaaggga | aggaaatgtg  | 180 |
| cccaacatca | tcattgcggg | ccctccagga  | accggcaaga  | ccacaagcat | tctgtgcttg  | 240 |
| gcccggggcc | tgctggggcc | agcactcaaa  | gatgccatgt  | tggaactcaa | tgcttcaa    | 300 |
| gacaggggca | ttgacgttgt | gaggaataaa  | attaaaatgt  | ttgctcaaca | aaaagtcact  | 360 |
| cttccaaagg | cccgacataa | gatcatcatt  | cttggatgaa  | acaagaacag | cattgaccgc  | 420 |
| acggagccca | agcaagccnt | tgaagggaaga | acccatggga  | aaatctactt | ttaaaaacca  | 480 |
| cttcgntttc | gnccctttgc | nttggaaatg  | gcttttngga  | ttaagaaaca | attngaagcc  | 540 |
| ccaatttaan | tnccccgctt | ggggccaatc  | ccnttcnngg  | taaccttggn | cccnnggcn   | 600 |
| ggcccgggtt | cnaaaanggg | ccnaaaattt  | ccaagcacca  | ctttgggnng | ggncnngntn  | 660 |
| ncttaanggg | gatcccaaac | tttgggnacc  | ccannccttg  | nggcgnaaaa | ncaatgggccc | 720 |
| ataaannngg | gttccccctg | ggnngnaaaa  | tggnnattn   | ccccncnc   |             | 768 |

<210> 668  
 <211> 659  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(659)  
 <223> n = A,T,C or G

|             |            |            |            |             |             |     |
|-------------|------------|------------|------------|-------------|-------------|-----|
| <400> 668   |            |            |            |             |             |     |
| ggtacagtat  | cctctccaga | catttgcaat | tggcatggaa | gacagccccg  | atttactggc  | 60  |
| tgctagaaag  | gtggcagatc | atattggaag | tgaacattat | gaagtccttt  | ttaactctga  | 120 |
| ggaaggcatt  | caggctctgg | atgaagtcac | attttccttg | gaaacttatg  | acattacaac  | 180 |
| agttcgtgct  | tcagtaggta | tgtatttaac | ttccaagtat | attcggaaga  | acacagatag  | 240 |
| cgtgggtgat  | ttctctggag | aaggatcaga | tgaacttacg | cagggttaca  | tatatattca  | 300 |
| caaggctcct  | tctcctgaaa | aagccgagga | ggagaagtga | gaggcttctg  | agggaaactct | 360 |
| atttggttga  | tgttctccgc | gcagatcgaa | ctactgctgc | ccatgggtctt | gaactgagaa  | 420 |
| gtccatttct  | agaacatcga | ntttcttnct | aatacttggc | tttgccccag  | aaatgagaaa  | 480 |
| ttccaagaat  | gggatngaaa | aacattttct | gaganaaaac | ntttgaggat  | tccaatctga  | 540 |
| taccaaagag  | aatctttggc | gaccaaanaa | accttnatga | tnggaaacct  | tngntaaaaa  | 600 |
| tnctgggttaa | aattnnngga | atccttnact | tngggtnata | atccngangg  | caaannccc   | 659 |

<210> 669  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(409)  
 <223> n = A,T,C or G

```

<400> 669
acgtgccgcg gaaatgctcc gctagcaatc gcatcatcgg tgccaaggac cacgcatcca      60
tccagatgaa cgtggccgag gttgacaagg tcacaggcag gtttaatggc cagtttaaaa      120
cttatgctat ctgcggggcc attcgtagga tgggtgagtc agatgattcc attctccgat      180
tggccaaggc cgatggcatc gtctcaaagt aaggttgggg gctcacattt gggcagagtg      240
agtggactag gactgctcca gaggcgtggg cttaacgttg tccttttccc ctggttctag      300
gaacttttga ctggagagaa tcacagatgt ggaatatatt tcataaataa ataatgaana      360
aaaaannnnn nnnnnnaaaa aaaaaaactt gtcctcggcc ggaccacgcg      409
  
```

<210> 670  
 <211> 741  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(741)  
 <223> n = A,T,C or G

```

<400> 670
accgctgtaa gactgccaaag aagtcagagg aggagattga ctttcttcgt tccaatccca      60
aaatctggaa tgttcatagt gtectcaatg tccttcattc cctggttagac aaatccaaca      120
tcaaccgaca gttggaggta tacacaagcg gaggtgaccc tgagagtgtg gctggggagt      180
atgggcggca ctccctctac aaaatgcttg gttacttcag cctggtcggg cttctccgcc      240
tgcactccct gttaggagat tactaccagg ccatcaagggt gctggagaac atcgaactga      300
acaagaagag tatgtattcc cgtgtgccag aatgccagggt caccacatac tattatgttg      360
gggtttgcat atttgatgat gcgtcgttac caggatgcca tcgggtcttc gccaacatcc      420
tnctctacat ccagaggacc nagaagcatg ttncagaagg acccacgtac ctttggccgn      480
gaccacgcct aagggccaaa attncaacac actggccngg ncggttacct aagtgggaatc      540
cnaaccttcg gnanccaaag ctttgccgt naatccatng ggccataagc ttggttccct      600
gggggggaaa attggtaatn ccggttcacn aatttcccca ccaacnttcc naaaccgggn      660
aagcctttaa agnggtnaaa accntggggg tggccnnaaa ggggggggac ctnaacttnc      720
atntaaatng ggggttggccn c                                     741
  
```

<210> 671  
 <211> 699  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(699)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 671

|             |             |            |             |             |            |     |
|-------------|-------------|------------|-------------|-------------|------------|-----|
| ggtacagcag  | gaattacaac  | tactacctca | cggagaactc  | ctccaccact  | gactgttcag | 60  |
| gaccccttat  | gtcctgcagt  | ttgtccctta | gaagaattat  | ctccagatag  | tattgatgca | 120 |
| catacgtttg  | atthttgaaac | tattccccat | ccaaacatag  | aacagactat  | tcaccaagtt | 180 |
| tcttttagact | tggaattcatt | agcagaaagt | cctgaatcag  | atthttatgtc | tgctgtgaat | 240 |
| gagtttgtaa  | tagaagaaaa  | tttgcgtct  | cctaataccta | taagtgatcc  | acaaagccca | 300 |
| gaaatgatgg  | gtggaatcac  | tttattcatc | agttatcaat  | gcatagaca   | gtagacgaat | 360 |
| gcagggatca  | aatgtatgtg  | gtaaggaggg | atthttggaga | tcatacttct  | ctgaatgtcc | 420 |
| agttggaaaag | atgtagagtt  | gttgcccaag | actctcactt  | cagtatacca  | accattaagg | 480 |
| aagaccttg   | cactttttaga | accattgtac | ctggcccggc  | cggccgggttc | naaanggccg | 540 |
| aanthccagc  | acacttggn   | ggcgttact  | tagtgggatt  | ccgagcttcg  | ggacccaagc | 600 |
| nttggcggta  | atcatngggc  | catagctggt | tcccngngtg  | naaattggta  | ttccggttac | 660 |
| caattcccca  | ccacnnttc   | ancccggnaa | ccntaaagt   |             |            | 699 |

&lt;210&gt; 672

&lt;211&gt; 377

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(377)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 672

|            |            |             |             |             |            |     |
|------------|------------|-------------|-------------|-------------|------------|-----|
| actgaagctg | aaatgcagga | agtgggtggca | aagggtttatt | ccagagaagc  | caggaagccg | 60  |
| gtcatcacc  | agcctctgag | agcagttact  | gggtgcaccc  | aacctgactt  | cctctgccac | 120 |
| tcccgcgtgt | gtgacttttg | gcaagccaag  | tgccctctct  | gaacctcagt  | ttcctcatct | 180 |
| gcaaaatggg | aacaatgacg | tgccctacctc | ttagacatgt  | tgtagaggaga | ctatgatata | 240 |
| acatgtgtat | gtaaatcttc | atgtgattgt  | catgtaaggc  | ttaacacagt  | gggtggtag  | 300 |
| ttctgactaa | aggttacctg | ttgtcgtgat  | ctgaaaaaaa  | aaannnnnaa  | aaaaaaaaac | 360 |
| ctnggccggn | accacgc    |             |             |             |            | 377 |

&lt;210&gt; 673

&lt;211&gt; 650

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(650)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 673

|             |            |             |            |             |            |     |
|-------------|------------|-------------|------------|-------------|------------|-----|
| cgagggtactt | gattggacca | gatgggtgagt | ttctagatta | ttttggccag  | aacaagagga | 60  |
| agggagaaaat | agctgcttca | attgccacac  | acatgaggcc | atacagaaaa  | aagagctagc | 120 |
| caaagcagtg  | ttgctggatg | cagtattctc  | ttgctaagag | gaaggaaact  | gtctcgcata | 180 |
| ggagcctata  | taaataataa | catatatacg  | tgactctac  | agaatggcct  | tcataccatg | 240 |
| agaacatttc  | tgthtttgat | ggggatgtta  | cccttgcggt | caacccaaaat | tgattcttgg | 300 |
| aactgtaaaag | attacaaccc | aaagtctccc  | aggaagctgt | ggggagacca  | gaggatcaag | 360 |
| ctgaagtga   | accagtga   | aaccacctg   | tggaaggcat | ggcggggcca  | ggcacaccag | 420 |



|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| tgcattcctg | cctgcgaaca | ggcctccaca | actttgccgc | ttttcatcgc | ttggggcctt | 480 |
| gctaaatagc | tgtgggactg | aattcacaga | aaagaatnta | tttccatagg | ctcttgctgg | 540 |
| ctcttcttga | gtctttntct | ttgagtcttg | gnggctatac | cgnccaatag | ggcttggcat | 600 |
| tanagtgatg | cttgaacttt | agttcctata | angattnctn | tcgattgcta |            | 650 |

<210> 674  
 <211> 705  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(705)  
 <223> n = A,T,C or G

|             |             |             |             |            |            |     |
|-------------|-------------|-------------|-------------|------------|------------|-----|
| <400> 674   |             |             |             |            |            |     |
| ggtacaagct  | tttttttttt  | tttttttttt  | ggtgaaaaga  | tatatatata | tatatattca | 60  |
| gaattaggca  | gctggactca  | gttttagatga | tcccaatttt  | gttggcaaca | tccaaagcat | 120 |
| cgtaaatcagg | agccagtcga  | acatatgcct  | tcttctctcc  | atcaggccga | atcagggtgt | 180 |
| tgaccttggc  | cacatcaatg  | tcatacagct  | tcttcacagc  | ctgtttaatc | tggtgcttgt | 240 |
| tggctttaac  | atccacaatg  | aacacaagtg  | tgttggtgtc  | ttctatcttc | ttcatggcag | 300 |
| actcagtggg  | cagcggaaac  | ttgatgatag  | catagtggtc  | aagcttggtt | ctcctgggag | 360 |
| cgctcttccg  | aggatatttg  | ggctgtctcc  | ggagtcgcag  | tgtcttcggc | cgcccgaagg | 420 |
| nggggtgacg  | tgcgggatct  | tcttcttttt  | ggggctgtgg  | accacctttc | aacactgcct | 480 |
| ttttggggcn  | ttnaaaagccc | ttngcttttg  | cttttagcttt | taggaagggg | ccaggaacct | 540 |
| tnecttnttc  | gcttttcgga  | acctgccccg  | gccggggcgt  | tcnaaaaggg | cnnaatttcc | 600 |
| aaacnacttg  | gcngggccgn  | tactaagggg  | atnccaanct  | ttggnancca | anctttggcg | 660 |
| naaancttgg  | ggcnataact  | ggnttcccg   | ngngnaaaaa  | tgntt      |            | 705 |

<210> 675  
 <211> 622  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(622)  
 <223> n = A,T,C or G

|            |             |             |            |            |            |     |
|------------|-------------|-------------|------------|------------|------------|-----|
| <400> 675  |             |             |            |            |            |     |
| ggtaccctaa | ttttccttgc  | acccatgcct  | gtccaatcag | atgactctgg | gaaacgccaa | 60  |
| acaggctgaa | tcaatgtctt  | tgtgtgggtt  | ttttcttcca | gattgttttt | ttctcaccta | 120 |
| taaaaggatc | tatctttaaa  | aataaaactgt | attaaatctg | taacatcaaa | ggcagaagg  | 180 |
| ttgtgtgtgt | gtgtgtgtgt  | gtgtgtgtat  | ctgtgtgttt | aaatcaaggg | gagattgcat | 240 |
| ttataaatca | tactggcctt  | atgaacatcc  | tctgcaataa | atatactttt | tagccttaac | 300 |
| tataaattat | atatttttagt | gtttaaaaac  | cttcgggtgt | gaaacatcta | agataacctt | 360 |
| taaaaaccac | ctgttctcta  | ggtaaacctc  | tgaggctcct | actttcaaac | accagttggc | 420 |
| accaaaggat | tcctaaactt  | caacttcttt  | aaagaaaaga | aaggaactta | tcatctggca | 480 |
| tgtgagaatg | caaccttttc  | tcttntcgca  | cgcagctnca | acaccactc  | atgcacacag | 540 |
| tggccacctt | gctaaagtct  | gttgaacagc  | ctgcggcgcg | tcaagngatc | accactgccc | 600 |
| gtctatgacc | actcgacact  | gc          |            |            |            | 622 |

<210> 676

<211> 620  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(620)  
 <223> n = A,T,C or G

```

<400> 676
cgagggtgcac aggcaccact aataatcaga cctgattctg gaaaccctct tgacactgtg      60
ttaaagggttt tggagatttt aggtagaagc tttcctgtta ctgagaactc aaagggttac      120
aagttgctgc  caccttatct tagagttatt caaggggatg gagtagatat taatacctta      180
caagagattg  tagaaggcat gaaacaaaaa atgtggagta ttgaaaatat tgccttcggt      240
tctgggtggag gtttgctaca gaagttggca agagatctct tgaattgttc cttcaagtgt      300
agctatgttg  taactaatgg ccttgggatt aacgtcttca aggaccagtg tgctgatccc      360
aacaaaagggt ccaaaaaggg ccgattatct ttacatagga cgccagcagg gaatttggtg      420
cactggaaga  aggaaaagga gaccttgagg aatatggtca ggatctcttc atctgcttca      480
gaatggcang  tgacaaaagc tatctttgta aaaaaaaaaa aaaaacctgc cgccgncgtc      540
aangccaatt  caccctgcgg cgtctatgac cactgnccac tgcnatntgc tactgtntctg      600
ggaatgatcg  tncatcnan

```

<210> 677  
 <211> 691  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(691)  
 <223> n = A,T,C or G

```

<400> 677
cgagggtactg ggtccaaatg ctggagaagt tacacaaggc tttgcagctg cgctcaaatg      60
tggactgacc  aaaaagcagc tggacagcac aattggaatc caccctgtct gtgcagaggt      120
attcacaaca  ttgtctgtga ccaagcgctc tggggcaagc atcctccagg ctggctgctg      180
aggttaagcc  ccagtgtgga tgctgttgcc aagactgcaa accactggct cgtttccgtg      240
cccaaattcca aggcgaagtt ttctagaggg ttcttgggct cttggcacct gcgtgtcctg      300
tgcttaccac  ccgccaagcc cccttggatc tcttggatag gagttggtga atagaagcag      360
gcagcatcac  actgggggtca ctgacagact tgaactgaca ttttggcaag gcatcgaaag      420
gatgtattcc  atgaagtcac cagtcttaaa cccatgtggt aagccggtga tggaaccact      480
gtnaaatcaa  ttttaacatg aacctttcnt gnggatttct taatctcggt gcaagttttt      540
aaggggtgaat ttttcttttt ctncatgggg gtaatgattt tnagatgaaa acctttccag      600
ttgatttttg  tccaaancaa tnatggttaa atatccctcc agggnnnttt ncttgaagga      660
aattggtntc  ttgaggtttt agcttnccgg a

```

<210> 678  
 <211> 667  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;222&gt; (1)...(667)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 678

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| cgaggtactt | gattggacca | gatggtgagt | ttctagatta | ttttggccag | aacaagagga | 60  |
| angggagaaa | tagctgcttc | aattgccaca | cacatgaggc | catacagaaa | aaagagctag | 120 |
| ccaaagcagt | gttgctggat | gcagtattct | cttgctaaga | ggaaggaaac | tgtctcgcac | 180 |
| aggagcctat | ataaatataa | acatatatac | gtgcactcta | cagaatggcc | ttcataccat | 240 |
| gagaacattt | ctgttttggg | tggggatggt | acccttgctg | tcaacccaaa | ttgattcttg | 300 |
| gaactgtaaa | gattacaacc | caaagtctcc | caggaagctg | tggggagacc | agaggatcaa | 360 |
| gctgaagtga | aaccagtgaa | gagcccacct | gtggaaaagg | catggcgggg | cgaggcacaa | 420 |
| ncagtgcatt | cctgcctgcg | aacagncctn | cacactttgc | cgctttcatc | gcttgggcct | 480 |
| tggtaaatac | tgtggactga | atttccagaa | aagaatntat | ttcataggnt | cttnttgctt | 540 |
| tcttgagtct | tgtctttgag | tcttggggnt | aanacagtcn | aatanggctt | tgcnttcaag | 600 |
| tgancctgaa | cctaagttcc | tntaangana | tcctttcnat | gctatgaaag | gaattttggt | 660 |
| nggggaa    |            |            |            |            |            | 667 |

&lt;210&gt; 679

&lt;211&gt; 302

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(302)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 679

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| cgaggtactg | atggggaagt | gccggcgctt | cttgatgaa  | ctagatgcgg | ttcagatgga | 60  |
| ctgagcttgg | atgcttctga | ggcaagctga | agctttgggt | tctgactgac | ccaccctaca | 120 |
| ggactgctga | acagagagcc | cagtgtgact | aggatcctg  | agttttctgg | gacaattcca | 180 |
| gctttaatca | atacattttg | ttaaatgtgc | cataaaatga | gactttttac | gcctttataa | 240 |
| ggccttagat | gtaaataaac | tcacccaaac | aaaaaaaaaa | aaaanaaaaa | aaaaaagctt | 300 |
| gt         |            |            |            |            |            | 302 |

&lt;210&gt; 680

&lt;211&gt; 649

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(649)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 680

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| ggtacgtgct  | caggaaatta | aaaacaaaaa | tcaaggaatt | gaacaacaca | tgtgaaccgc | 60  |
| ttgtaacaca  | accgaaacca | aaaattgaat | cacccaaact | ggaaagaact | ccaaatggcc | 120 |
| caaataattga | taaaaaggaa | gaagatttag | aagacaaaaa | caattttggt | gctgaacctc | 180 |
| cacatcagaa  | tggtgaatgt | taccctaatt | agaaaaattc | tgtaatatg  | gacttggact | 240 |
| agataacctt  | aaattggcct | attccttcaa | ttaataaaat | atttttgcca | tagtatgtga | 300 |
| ctctacataa  | catactgaaa | ctatttatat | tttctttttt | aaggatattt | agaaattttg | 360 |
| tgtattatat  | ggaaaaagaa | aaaaagctta | agtctgtagt | ctttatgatc | ctaaaagggg | 420 |

```

aaattgcctt ggtaactttc agattcctgt ggaattgtga attcatacta agctttctgg      480
gcagtctcac catttgcata ctgaggatga aactgacttt ggcntttgga gaaaaaaact      540
gtcctgccgg cggcgcgtcaa aggcaattca ccctgcggcg tntanggacc actnggacca      600
ctgggaantg gctactgtcc tggaatgtnc cgtccatccc aatcaccgg      649

```

```

<210> 681
<211> 722
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(722)
<223> n = A,T,C or G

```

```

<400> 681
cgaggtacca ccagagggaa agctggggcg gagggatttg ttctgtttga cccgagatta      60
tgtgctgaag tctgcagagc tggcaaaaagc tggaggggtgc aaacatttca acttgctatc      120
ctctaaagga gctgataaat caagcaatttt ttatatatcta caagttaagg gagaagtaga      180
agccaagggt gaagaattaa aatttgatcg ttactctgta tttaggcctg gagttctgtt      240
atgtgatagg caagaatctc gcccaggtga atggctgggt agaaagttct ttggctcctt      300
accagactct tgggccagtg ggcattctgt gcctgtgggt acccgtgggt tagagcaatg      360
ctgaacaatg tgggtgagac caagagacaa gcagatggaa ctgctggaga acaaggccat      420
ccatgacctg gggaaaagcg catggctctn tnaagccatg accccattg gagaaatggg      480
ttttattggc aacccttaca cccattacc aaatcngnaa ttccanggtc taaaaaaaag      540
tcancctggg ttaactttgg ngggttacta atccttaggc ttcanttcca atcaggaaat      600
gatggggcct ntggattaag gggttcaaaa cccgggtttc cctttggann cttcggggnc      660
ntttgnaaaa ataaaaattt gnnnccctnt ttttaactga atnaaaattt nggggggggc      720
cn                                                                    722

```

```

<210> 682
<211> 530
<212> DNA
<213> Homo sapiens

```

```

<400> 682
ggtacttgcc tttagtttat caggggatgt gtaaggagct tcaggagcat aaatcctgaa      60
aatatcagca aggcagcagg ctaccagtaa gcgaacatcc ttatcaggat gcttgaggaa      120
aaaatctgaa gcaagatgta aagctagggt taaataaagc tccttttctt cttcagagtc      180
ctgggccata tccataaaaag ttttcacaac catctataca aaaataaaaa atcaataat      240
gaaatgctcc atgtaaaact acagtcattg gaaataaagg tcatgttaat tgctaagggt      300
aacttcaaat gaataactt tcatttttct gcagaaagtc tctatttgag agaacacaaat      360
tctcctaaaa ctacaaagta aacttctatt taaaagactt actaaaatat tttttcattt      420
acccaaaata tctgctaacc agatttttaa agattaaatt gcccttatgt agtagtcatt      480
attggaagaa ttccaataga atatttgtag aaacttctgt tctcacttgt      530

```

```

<210> 683
<211> 745
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

&lt;222&gt; (1)...(745)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 683

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| ggtacctgtc | tttccttatt | ccctcatcct | tagtggatca | tttgtatctc | ctgccttatg  | 60  |
| agaacctttt | gacagaagat | gagacaacca | tatctgatga | tgtggatata | gctcgggatg  | 120 |
| tcatatgtct | tataaaatgc | ctccggctga | ttgaagagtc | agtaactgtg | gatatgtcag  | 180 |
| ttataatgga | aatgagttgt | tataacctac | agtctccgga | aaaggctgca | gagcagattc  | 240 |
| tggaagatat | gatactatt  | gatgtagaaa | atgtgatgga | ggatatttgt | agtaaaactgc | 300 |
| aagagattag | gaaccaaatc | catgcaattg | gactacttat | acgggaaatg | gattatgaaa  | 360 |
| cagaagtggg | aatggaaaag | ggattcaatc | cagctcacct | ttgaatattc | gaatgaatct  | 420 |
| taccagctc  | tatggtagta | acacagcagg | gtatatgtgt | tgccagangg | gtgcattaaa  | 480 |
| atccgccagt | acctgcccng | gccggccgnt | cgaaanggcc | naatttccac | acactgggcg  | 540 |
| ggccgttact | anggggaatc | ccaagctttg | gganccaagc | nttggncgta | atcatgggcc  | 600 |
| ataaantngg | tnccctgggn | ngaaaatngg | taatccggtt | aacaattncc | ccnccaactt  | 660 |
| tcccnacccg | gnaaccctta | aaggggtaaa | aaccctgggg | gggncccaaa | gggagggggc  | 720 |
| cttaaccttc | ccctttaaat | tggcn      |            |            |             | 745 |

&lt;210&gt; 684

&lt;211&gt; 628

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(628)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 684

|             |            |             |            |            |            |     |
|-------------|------------|-------------|------------|------------|------------|-----|
| ggttggagac  | ccgagaaccg | gaggctggag  | agcaaaatcc | gggagcactt | ggagaagaag | 60  |
| ggaccccagg  | tcagagactg | gagccattac  | ttcaagatca | tcgaggacct | gaggggtcag | 120 |
| accttcgcaa  | atactgtgga | caatgcccg   | atcgttctgc | agattgacaa | tgcccgctct | 180 |
| gctgctgatg  | actttagagt | caagtatgag  | acagagctgg | ccatgcgcca | gtctgtggag | 240 |
| aacgacatcc  | atgggctccg | caaggctcatt | gatgacacca | atatcacacg | actgcagctg | 300 |
| gagacagaga  | tcgaggctct | caaggaggag  | ctgctcttca | tgaagaagaa | ccacgaagag | 360 |
| gaagtaaaag  | gcctacaagc | ccagattgcc  | agctctgggt | tgaccgtgga | ggtagatgcc | 420 |
| cccaaactctn | aggacctcgc | aagatcatgg  | cagacattcc | ggcccaatat | gacaactggc | 480 |
| tcggaagaac  | cnagangact | ngacaagtcc  | ttgccggccg | ncgtcnaagg | caattcacca | 540 |
| ctgnggcgtc  | tatgatccac | tgnnactggg  | gantgctact | gtctggaatg | ttcgtnatcc | 600 |
| cactcacgac  | tagnactggc | tagggata    |            |            |            | 628 |

&lt;210&gt; 685

&lt;211&gt; 758

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(758)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 685

|            |           |            |            |            |            |    |
|------------|-----------|------------|------------|------------|------------|----|
| gcgtgggtcg | cggcccagg | tacggagcaa | atgttttatt | taataagtta | taagatacaa | 60 |
|------------|-----------|------------|------------|------------|------------|----|

|             |             |             |            |             |             |     |
|-------------|-------------|-------------|------------|-------------|-------------|-----|
| tttacagtcg  | gcgtttgatt  | ccagtttngg  | cttccgtggt | ccaacttaac  | acaccccggtg | 120 |
| ggcccttcac  | aataagcttc  | cggctgggtcc | actttctgta | nggggtgggct | tttaccctaa  | 180 |
| cactngccca  | gatctacacc  | tgccacaaga  | ntggccactt | tctnaggact  | aagcagcaaa  | 240 |
| acctaaaggn  | ctgcctgcc   | gaccacacta  | cacatttggg | ctcaggcaac  | gtccctgaca  | 300 |
| ctttaacctc  | attccaaagc  | cagctcaggt  | ctgcaggaag | gcaggcaaaa  | ttccctacac  | 360 |
| ctcattttctg | gattttctgca | ccacacagnt  | ctnactgggt | ctgcccattg  | tgaaaagacc  | 420 |
| ccaataagct  | gntggccttn  | tttccccaac  | cattcccaac | tttnagggcc  | aagancccca  | 480 |
| agaggttcaa  | tctggcctgc  | tggacctggc  | cggcngggcg | ntnnaaangg  | ccaaantcca  | 540 |
| ncacaattgg  | gnngncggta  | ctaaagggga  | acccaacttn | gggnccaaac  | tttggggnaa  | 600 |
| acatgggggn  | naanngggn   | cnngggngn   | aaaatngnnc | nccentttcc  | aaattncccn  | 660 |
| ccaanntttt  | naacccggaa  | accttaaang  | ggnaaaaanc | cggggggggc  | caaagggggg  | 720 |
| ggccnannnn  | ccntttaan   | ggggnngggc  | ccccccnn   |             |             | 758 |

<210> 686  
 <211> 697  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(697)  
 <223> n = A,T,C or G

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 686  |            |            |            |            |            |     |
| ggtacagatt | gggcggaatg | tggagaaggt | tggccacagt | ccagagccag | gagcccatgg | 60  |
| aacaacttgg | aaggtgactc | aggtgaggct | gtcaatgagg | gaatcccga  | tgctggtggc | 120 |
| aatggtgcta | ggctgggctt | cattcagctt | gaagacactc | tccaccactg | acagctctgt | 180 |
| gctggttgta | tccaggccac | agaaggcaca | ccagtcattc | accaccatcc | cagcagcaat | 240 |
| cacctcactg | cctcggttca | cagtccccgc | cacaaggggg | acttgaagaa | gagaggacag | 300 |
| ctcatcctgg | tcttcaattg | aagtcttggg | atgcaccagc | cctccctgat | tgctgaagac | 360 |
| acagtagctt | cctactagca | cctggtcggc | cactgctgtc | tgaagacttc | caccttgagc | 420 |
| acatctgcca | gaatttcttc | tgntcctgt  | caaagtctgg | gtggaccaag | gncacgtagt | 480 |
| catttcaagt | ggtgacattg | cccaaggctt | aaaaccgttc | ttcaaccgnc | taatctgcac | 540 |
| ttggtctggg | aaggttggtg | ccaatgtgtg | caacttctgg | ggccgnggta | ttgtngggac | 600 |
| ctgcccggc  | cggccgttca | aagggaatt  | ccanccaatg | ggggccgtac | tanggaacc  | 660 |
| ancttgggnc | caacttgggg | naanatgggc | nnaacgn    |            |            | 697 |

<210> 687  
 <211> 668  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(668)  
 <223> n = A,T,C or G

|             |            |            |             |            |            |     |
|-------------|------------|------------|-------------|------------|------------|-----|
| <400> 687   |            |            |             |            |            |     |
| acataataac  | ctcatcaact | aactttttaa | ttactgaat   | ggctattatg | tatttattac | 60  |
| tcaataccag  | tccattacct | aatataagag | cactaagagt  | atttaatcat | tacctatttt | 120 |
| aatttatttt  | ataggtgaaa | aacactgatg | tcaagttagg  | ttgaggaact | tatattcaag | 180 |
| gtcctccagc  | taactgtcga | cacaacaatg | actagaacta  | attgtcaggt | ctcctgataa | 240 |
| ttagttccact | gttctttcta | ttctaccata | aggttggttag | gatgaagaat | actgcagttt | 300 |

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| tactgcataa | atattctgaa | gtcagactta | ctctaaggca | ttcttccttc | agaatacagg | 360 |
| ctaaagcaga | atattacaag | ctactgcttc | tttttttttt | ttttttttta | ataaacacag | 420 |
| aacattttgn | tcaaaccaaa | tctaactcag | aagtgnaaat | aatgnaagcc | aatcactatt | 480 |
| aaaaggcnga | atttcctaaa | gggaaaanta | ccatttaacc | aacctttcta | aagtaaacad | 540 |
| cctttccang | ggactgggga | tttagnccta | cacttgaagg | cttcctggga | cctgggcggn | 600 |
| acccttangg | cnattcancc | atgggggcgg | tctanggnnc | cacttgggcc | annttggnna | 660 |
| attnggcn   |            |            |            |            |            | 668 |

&lt;210&gt; 688

&lt;211&gt; 375

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 688

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| acatcaattc | agtgagaaaa | ggtgtgtagg | gagccataag | tctgcaaaga | gaaagcagaa | 60  |
| cactaaacaa | ggtttctagg | gccatgacac | aatcctccat | cccattttca | ccctttaatc | 120 |
| ttctgcggtt | cattctaaca | taccaattgg | tcagaatatc | tacaaacttg | accaggcgag | 180 |
| gcaccacagt | ataaagccta | taagctgcca | tttcagtctc | aaagaagcca | atgagagact | 240 |
| gcatgaagga | caggatccac | cggtctgtaa | tggtggggct | ttctctaacc | gtgttctcat | 300 |
| tgtagagaaa | ttctattttc | tcctccttct | ggagcctcag | aacgttctgg | attaagaagc | 360 |
| gataggcatt | gtacc      |            |            |            |            | 375 |

&lt;210&gt; 689

&lt;211&gt; 582

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (582)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 689

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| ggtacccaaa | gttaaagtac | ttacctgggc | tgtttagaaa | ctctctacct | agaaagattt  | 60  |
| ccattaccgt | cagatgttag | gagaggatct | aacataggaa | aggtcaccag | ttgtcacaga  | 120 |
| aaaagccaaa | gaacttaggt | ctagtgcctc | tttgccactg | acaaactaat | aacaccctct  | 180 |
| agacatcctc | aagtccttct | ccttgctcag | gaattttctt | ctaccaggtc | ttttctacca  | 240 |
| acttctctgt | ataactacat | cttactcatc | tttcaaagcc | cgactcagtt | gccccttcca  | 300 |
| tctagaaaaa | tttccagacc | aaactatccc | agcacatggt | tatgatctct | caaaccctctg | 360 |
| tgtttcccca | tccctgttgc | ccgttaaatt | ctgccacaag | ctcagaccga | ctctctattt  | 420 |
| ggcttatttg | tgtctaattc | attgagttct | cctccaaagc | agagatcatg | cttcactcat  | 480 |
| ttctgcatct | ncaggacctt | atgaatgaat | gaatgtgtga | attataagga | ttactaaagc  | 540 |
| cncagggcct | gactcaaagc | caggacccta | gtaggngcct | gg         |             | 582 |

&lt;210&gt; 690

&lt;211&gt; 812

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (812)

&lt;223&gt; n = A,T,C or G

```

<400> 690
actaaagcgg atgggaatgt cgtttggcct ggagtcaggc aaatgctctc tggaggatct 60
gaaacttgcg aaatccctgg tgccaaaggc tttagaaggt tatatcacag atatctccac 120
aggaccttct tgggttaaact agggactact tctgaactct acccaatcag tttcaaattt 180
agacctgacc actggtgcca ccttacccca gtcaagtgt aaccaagggt tatgcttgga 240
tgcagaagtg gccttaacaa ctgggcagtt cctggcccca aacagtcacc agtcagcag 300
tgccgncnt nactgnttcg agtcccgaag cgaagacccc ctggtcgttc aatgatgaan 360
atgaaggaan atgatgaagg agggattccc tncctcccaa gaattaaaga ccangaagaa 420
agccctacct tttcaaatat ggtgaatgcc tcaatggtgt ggtttggtaa ntgggtgaag 480
cctcnttggg ttttttgaaa atggaattgg ctttcaagtc cttttggccc tttgggttg 540
gcacttgggg ngggttcaan nggaaaaanc tttngnggaa aacncccat ttaggcccaa 600
attcnccatt gaaanggctt tgaaaaatgn atttggnaaa ttgnaaaagg ttnaaccctt 660
aangggggna attgnaaaan tnttgggccc aaccngaacc ccnttnnaan gggnttttnc 720
cccaannaaa agcctggcnt tttttgaggg gaaaaaann gggggataaa nccccctaaa 780
aaaatttgcc cnmntnnaag ngccacntt tt 812

```

```

<210> 691
<211> 691
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(691)
<223> n = A,T,C or G

```

```

<400> 691
acctactata atacagtagc taacatgtat tgagcacaga ttttttttgg taaaactgtg 60
aggagctagg atatatactt ggtgaaacaa accagtatgt tccctgttct cttgagcttc 120
gactcttctg tgctctattg ctggcactg ctttttctac aggcattaca tcaactccta 180
aggggtcctc tgggattagt taagcagcta ttaaaccacc cgaagacact aatttacaga 240
agacacaact cttcccccag tgatcactgt cataaccagt gctctaccgt atcccatcac 300
tgaggactga tgttgactga catcatttta tcgtaataaa catgtggctc tattagctgc 360
aagctttacc aagtaattgg catgacatct gagcacagaa attaaggnaa aaaaccaaag 420
caaaacaaat acatgggctg aaantaactt gatgccaaagc ccaaggcact gatttctggg 480
natttgaaact tanggcaaat cagagctaca cagacgccta cagaagggtc aggaagangc 540
agaagccttc aatttgaaag aaatttattg gcaccaaagt aagggccgga tnaaccttta 600
ggcnttttta nggagggcct tttaaaaagg ntccctggcc ggaacncntt angnggaatt 660
ccanccntgg gggccgtatt aagggaacctg n 691

```

```

<210> 692
<211> 271
<212> DNA
<213> Homo sapiens

```

```

<400> 692
cgaggtactg ctgctaccac tgggaagcgt gcgcctcttt cgggttttgt cccggccgcg 60
atccttctca ctgcactcct tgggtggcccc tttatctttt gagegatcct tggacttctc 120
atctgagcgg tctttgcgtt tggtaggtga aggagcccta gtgctggact ttttattatg 180
agaaacgatc cctaategat tgcaatttac gccgaagagc agcatcttcc ctccgccgcc 240
acctcctcct gctttcctca gccgccgagg c 271

```



<210> 693  
 <211> 730  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(730)  
 <223> n = A,T,C or G

<400> 693

|             |             |            |             |             |            |     |
|-------------|-------------|------------|-------------|-------------|------------|-----|
| cgagggttttt | ttttgccgca  | catgaaacat | tattttaatt  | ggtttaaagt  | ccctttataa | 60  |
| agagtgtctac | atgggtttaga | taaaggaaac | atataactat  | tgagttacag  | gggattttat | 120 |
| taattataaaa | atgcaatcaa  | tttaaattac | gtagggtttaa | gactagtccc  | ttggataagc | 180 |
| cccaagcgaa  | tttgtcttca  | gattattaaa | attagtgtctg | taaatcaggg  | tgggcaattc | 240 |
| acagcctttc  | tgaactgact  | gaactagagc | ttgcagtga   | gtgttctgct  | gagactgagc | 300 |
| accttacaga  | tattttttctc | cagaagatgg | tgctgggttaa | taaaatcatc  | acaattaggg | 360 |
| gaatgggttaa | gtggtctcta  | ctgnngcaaa | tgccaactgn  | tggaattcac  | tttattgtag | 420 |
| aaaaaaccaa  | actgagactc  | ttaagttttg | gttaacaatg  | nggttctggg  | atgaaaccaa | 480 |
| ctactggggc  | actgnccagg  | taggaaacca | ttctttcact  | gggggtttcag | cataaatggg | 540 |
| aactggatgt  | tnaaaggcng  | ggaattaacc | cttttttaggc | caaaagaaaa  | agcttaantg | 600 |
| gggntttacc  | aangggntcc  | ctggggccta | aattcaannn  | tgggncctac  | annngccnna | 660 |
| ancctggnt   | aaaccggat   | taacccttta | acctgggaac  | ccaaccttta  | aanggggggt | 720 |
| tttaaaaggg  |             |            |             |             |            | 730 |

<210> 694  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 694

|             |             |            |            |             |            |     |
|-------------|-------------|------------|------------|-------------|------------|-----|
| cgagggttaca | aaccacaaag  | acattggaac | actataccta | ttattcggcg  | catgagctgg | 60  |
| agtcctaggc  | acagctctaa  | gcctccttat | tcgagccgag | ctggggccagc | caggcaacct | 120 |
| tctaggtaac  | gaccacatct  | acaacgttat | cgtcacagcc | catgcatttg  | taataatctt | 180 |
| cttcatagta  | atacccatca  | taatcggagg | ctttggcaac | tgactagtcc  | ccctaataat | 240 |
| cgggtgcccc  | gatatggcgt  | ttccccgcat | aaacaacata | agcttctgac  | tcttacctcc | 300 |
| ctctctccta  | ctcctgctcg  | catctgctat | agtggaggcc | ggagcaggaa  | caggttgaac | 360 |
| agtcctacct  | cccttacagg  | gaactactcc | accctggagc | cttcgtagac  | acaccttggg | 420 |
| gttttttcga  | aatatgggtt  | gggttttttg | gctctttggg | tgaattaaaa  | taaaatttaa | 480 |
| atgccttcac  | gctngatag   | gtgccacatg | aactaccgag | nttcngaaaa  | agaagggaga | 540 |
| actgacactt  | cttanngntt  | gcagactntt | aangggccct | taggactant  | ngggcttttg | 600 |
| ggggtaaaag  | gtncctctna  | agaanccng  | nacctggccn | ggggggcggt  | naaangggga | 660 |
| attcnanccn  | ctggggggccg | tactaagggg | accactnng  |             |            | 700 |

<210> 695  
 <211> 690  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(690)  
 <223> n = A,T,C or G

<400> 695  
 ggtacagatg gcactgacaa tcccctttct ggtggggatc agtatcagaa catcacagtg 60  
 cacagacatc tgatgctacc agattttgat ttgctggagg acattgaaag caaaatccaa 120  
 ccagggttctc aacaggctga ctctctggat gcactaatcg tgagcatgga tgtgattcaa 180  
 catgaaacaa taggaaagaa gtttgagaag aggcataattg aaatattcac tgacctcagc 240  
 agccgattca gcaaaagtca gctggatatt ataattcata gcttgaagaa atgtgacatc 300  
 tccctgcaat tcttcttgcc ttctcactt ggcaagggaag atggaagtgg ggacagagga 360  
 gatggccccct ttcgcttagg tggccatggg ccttcctttc cactaaaagg aattacncga 420  
 acagcaaaaa gaaggtcttg agatagtga aatggtgatg atatctttag aagggtgaaga 480  
 tgggttggat gaaattttatt cattcatgag agtctgagaa aactgngccg tcttcaagaa 540  
 aattgagagg ctctccattca cttggncctg ccgactgacc atgggtccaa ttggctataa 600  
 ggttgcagcc tttaatcgat ttncngggna ggggttaaaag cttggncctg tgggttccaa 660  
 acctaaaaaa aannnnnnnn aaaaaanant 690

<210> 696  
 <211> 688  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(688)  
 <223> n = A,T,C or G

<400> 696  
 ggtacagaaa tgaggcgtcg cagaatagag gtcaatgtgg agctgaggga aagctaagaa 60  
 ggatgaccag atgctgaaga ggagaaatgt aagctcattt cctgatgatg ctacttctcc 120  
 gctgcaggaa aaccgcaaca accagggcac tgtaaatggg tctgttgatg acattgtcaa 180  
 aggcataaat agcagcaatg tggaaaatca gctccaagct actcaagctg ccaggaaact 240  
 actttccaga gaaaaacagc ccccataga caacataatc cgggctggtt tgattccgaa 300  
 atttgtgtcc ttcttgggca gaactgattg tagtccatt cagtttgaat ctgcttgggc 360  
 actcactaac attgcttctg ggacatcaga acaaaccaag gctgtggtag atggaggtgc 420  
 catcccagca ttcatttctc tgggtggcatc tccccatgct cacatnagtg aacaagctgt 480  
 ctgggctcta ggaaacattg caggtgatgg cttcaatggg nccagacttg ggtanttaag 540  
 acctggccgg ccggccgttc aaaaggccaa ntccacacct tggcgccgt ctannggatc 600  
 caactnggac caacttgggg naacatggca aactggttct tggggaaatg gttccgttcc 660  
 aattccccaa tttcaccgag gctaaagg 688

<210> 697  
 <211> 732  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(732)  
 <223> n = A,T,C or G

<400> 697  
 gcgggtcgcg gccgaggtac tcccgattga agccccatt cgtataataa ttacatcaca 60  
 agacgtcttg cactcatgag ctgtccccac attaggctta aaaacagatg caattcccgg 120  
 acgtctaaac caaaccactt tcaccgctac acgaccgggg gtatactacg gtcaatgctc 180  
 tgaaatctgt ggagcaaacc acagtttcat gcccatcgct ctagaattaa tccccctaaa 240  
 aatctttgaa ataggggccg tatttaccct atagcaccac ctctaccccc tctagagcca 300  
 aaaaaaaaaa aaaaaaaaaa aaaaaaagct tgtaccatct cccagtcctg gaggtcgccc 360  
 atgtgagacc caggtattgc agggctgggt gcttctgagg ctgaggtgtg tcccgtcttg 420  
 ctccaggccc ttcccagctg gtcttctccc tacatttgca gacngatggc catccgaagn 480  
 tgacatcacc tcctttgggg ctggctctgg gnccattggg aattaatggg ttanagacng 540  
 aattcactgg ggtgcttaag ctggggcttc aaaccggtag gnttaaacnn nnttntcttc 600  
 ttagccttcc aagtaactng atnccnggct taanccctcg ggccancccc aaagtcccc 660  
 cttttttaan gggcctcttt ttaatngggg taaggncnc tggaaggatt cntnttaact 720  
 nggaaanct na 732

<210> 698

<211> 651

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(651)

<223> n = A,T,C or G

<400> 698  
 cgaggtgcca cgtaatgtcc cgtagtctgc tcatcccgct catgccagat ggattgtggg 60  
 gaaggtgatt gggacaaaaa tgcaaaagac tgctaaagt agagtgaacca ggcttgttct 120  
 ggatccctat ttattaaagt attttaataa gcggaaaaacc tactttgctc acgatgccct 180  
 tcagcagtg acagttgggg atattgtgct tctcagagct ttacctgttc cagcagcaaa 240  
 gcatgtgaaa catgaactgg ctgagatcgt tttcaaagtt ggaaaaagtca tagatccagt 300  
 gacaggaaaag ccctgtgctg gaactaccta cctggagagt cccgttgagt tcggaaacca 360  
 cccagctaag caaaaatctg gaagaactca atatctcttc agcacagtga agcgggagtg 420  
 gaagaaggat ctaaaggga aaactgacat gtttatgtta tggaaaaaga aattttctaa 480  
 gttcatcaca actgngtcag ttcttgnngg ttatgaatac taaaccaatg aataanggct 540  
 actatggttt tacaataaaaa nnnaataaaa anaactgnct gccggggcgt naaggnaatn 600  
 accatgngcg tntntggnnc acttggccac ntggganngg cnantgtctg g 651

<210> 699

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(709)

<223> n = A,T,C or G

<400> 699  
 actgtagcat attaataccc tgtgaactgc aaaaaaccaa atacatttac agtagtattg 60  
 gtcacaaaaa tagaggggaa actttacaat tgtgagaatg tgtaaatgtt ctcattaagg 120  
 cagtattgac ccagacaacc atttagtatt catctatccc ctcaatgcct cataattctg 180

|             |             |             |            |            |            |     |
|-------------|-------------|-------------|------------|------------|------------|-----|
| gaatgcctgt  | tgtgaaacat  | gtcagtgac   | agtgtctcct | aaattctcac | acgtgcttga | 240 |
| ttttctgatt  | catctgggtga | actggggagta | ggaagtgtgt | catagacaat | atgccctcct | 300 |
| tctcttgtct  | gaccaaagct  | tgaagcaatc  | acatctactg | ccaggttagc | tgtagtcttc | 360 |
| gcctcttcct  | ctgaggtggc  | caactgagga  | ttgacttcaa | caagatccag | tgctgatagc | 420 |
| aacctgnat   | tgggtattcc  | tcagcaatat  | acatgccttc | tcgatanggt | aagtcccccg | 480 |
| acacaggagt  | tncgtgtgct  | tggagcccg   | gtaggggcaa | atgcntnaat | atcnaaactt | 540 |
| caaattggaat | gggcttttgg  | ctcttgccaa  | tcancngaac | caaangttcg | ntccctgaac | 600 |
| cntttggaaa  | cccagttnat  | tcaanttnn   | tcangggaaa | aaacctggga | atcnaagnct | 660 |
| tttaaaaaaa  | aaggttcnga  | ngggncnccg  | tttttnaacc | aaaaaacc   |            | 709 |

&lt;210&gt; 700

&lt;211&gt; 656

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)... (656)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 700

|            |             |             |            |             |             |     |
|------------|-------------|-------------|------------|-------------|-------------|-----|
| ggtcagaacc | ttaaaggtttc | actgaatgcg  | aaatgacgaa | atctagccct  | ttgaaaataa  | 60  |
| cattgttttt | agaagaggac  | aaatccttaa  | aagtaacatc | agacccaaag  | gttgagcaga  | 120 |
| aaattgaagt | gatacgtgaa  | attgagatga  | gtgtggatga | tgatgatatc  | aatagtctga  | 180 |
| aagtaattaa | tgacctcttc  | agtgatgtcc  | tagaggaagg | tgaactagat  | atggagaaga  | 240 |
| gccaagagga | gatggatcaa  | gcattagcag  | aaagcagcga | agaacaggaa  | gatgcactga  | 300 |
| atatctcctc | aatgtcttta  | cttgcacccat | tggcacaaac | agttgggtgtg | gtaagtccag  | 360 |
| agagtttagt | gtccacacct  | agactggaat  | tgaaagacac | cagcagaagt  | gatgaaagtc  | 420 |
| caaaaccagg | aaaattccaa  | agaactcgtg  | tcctcgagct | gaatctggtg  | atagccttgg  | 480 |
| tctgaagatc | gtgacttctt  | tacagcattg  | atgcatatag | atctcaaaga  | ttnaagaacn  | 540 |
| gaacgtctnc | ataagcagtg  | atgtccgaag  | ganatgtctt | aaactgntga  | aaaatanccct | 600 |
| tcttgcagta | ttcacccgaa  | gcggactatc  | caatattcnc | nacgggttta  | ctgcnn      | 656 |

&lt;210&gt; 701

&lt;211&gt; 716

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)... (716)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 701

|             |             |            |            |            |            |     |
|-------------|-------------|------------|------------|------------|------------|-----|
| ggtagccttga | cagggacgag  | aggtcgaagg | agttgccagc | cccatctttg | aatgaacatt | 60  |
| cagtcagatc  | gaaagggtggg | caggcatact | gcgttcgcca | ctcaaacaag | taggaacaat | 120 |
| ctgaagtctc  | ctttagaaat  | actggccgct | gggtgccgcg | gtcacagtag | aagaagatgg | 180 |
| ctgtggagcg  | ctgataaacc  | ttatggcaag | tgccccccc  | gtgaagtcca | tttttaacaa | 240 |
| gccattttca  | taagttagct  | tctgagtcag | gagacctgcc | actttgtgaa | atccctgcgg | 300 |
| ttcccgcttt  | tcctgacatg  | aggagaccac | cttggacttg | ncacttggtg | gggcagacgt | 360 |
| ctgagggaaa  | gctttccaca  | gaccccgaaa | gtaataaagt | gtattcgcca | gcgctnacga | 420 |
| atgggtgtcgt | tgaagcccaa  | gggcttnang | tcatacaagt | tgccatgccc | ttgggtcttt | 480 |
| caccttacaa  | gttgncccn   | ttcacttttg | acaacgggac | caggctttca | caagttttcc | 540 |

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| aantaacccg | taccttggcc | nggccggccg | ttnnaaangg | gcnaattcca | nncacttggn | 600 |
| ggccgtacta | aggggatccc | aactttggac | ccaacttggn | gnaaanattg | ggcntaactg | 660 |
| gttccttg   | gnaaaaatgt | tcccgttcaa | aattcccn   | aantttgagc | cgggaag    | 716 |

<210> 702  
 <211> 707  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(707)  
 <223> n = A,T,C or G

|             |            |            |             |            |            |     |
|-------------|------------|------------|-------------|------------|------------|-----|
| <400> 702   |            |            |             |            |            |     |
| tgnatntgtc  | agcggcgag  | tgtatggtat | ctgnagaatt  | cgcctttcga | gcggcgccgg | 60  |
| gcaggtactc  | atcttatact | gaaagaacgt | gggtggctcta | aatatgaagc | tgcaaagaag | 120 |
| tggaatttac  | ctgccgttac | tatagcttgg | ctggttgaga  | ctgctagaac | gggaaagaga | 180 |
| gcagacgaaa  | gccattttct | gattgaaaat | tcaactaaag  | aagaacgaag | tttggaacaa | 240 |
| gaaataacaa  | atggaatcaa | tctaaattca | gatactgcag  | agcatcctgg | cacacgcctg | 300 |
| caaaactcaca | gaaaaaccgt | cgttacacct | ttagatatga  | accgctttca | gagtaaagct | 360 |
| ttccgtgctg  | tggtctcaca | acatgccaga | caggctgcag  | cctcccagca | gtaggacaac | 420 |
| cacttcagaa  | ggagccctcg | ttacacctgg | atacaccatc  | aaaattcctg | tccaaggaca | 480 |
| aactcttnaa  | gccttccttt | gatgtgaagg | atgcacttgc  | agccttgga  | acttcangac | 540 |
| gtccagccac  | agaaaaggaa | ccgagtcctn | ggccgcgacc  | ccctaaggca | attcacacac | 600 |
| tggcgccgctc | tagggaccac | ttgggccaac | ttgngaactg  | gctactggtc | tgggaatgtn | 660 |
| ccgtacatcc  | ncaatnaccg | actaagtaac | tgggctnnng  | gctatcn    |            | 707 |

<210> 703  
 <211> 703  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(703)  
 <223> n = A,T,C or G

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| <400> 703  |            |            |             |            |            |     |
| acctgccaga | attagcaaga | gctttcttta | agaagacatt  | tgtcaaactc | aacaaattga | 60  |
| aggttaacac | cttaagagtt | gtagttactg | accagaaata  | tggaagact  | tcttagactt | 120 |
| ggaggaggta | tgcttgact  | gggccagggg | ccacctacag  | atgctcctgc | agtggacaca | 180 |
| gcagaacaag | tctatatctc | ttccctggca | ctgttaaaaa  | tgtaaaaca  | tgcccgctgt | 240 |
| ggagttccaa | tggaagttat | gggtttgatg | cttggaagaat | ttgttgatga | ttataccgtc | 300 |
| agagtgattg | atgtgtttgc | tatgccacag | tcaggaacag  | gtgtcagtg  | ggaggcagtt | 360 |
| gatccagtg  | tccaagctaa | aatgttggat | atgttgaaca  | gacaggaaag | cccgaatgg  | 420 |
| ttggttggtt | ggatcacaaa | gtcacccctg | ctttgggttg  | tggtttctg  | gtgtggatan | 480 |
| tcaacacttn | agcagagctt | ttgaagcctt | ttccggaaaa  | nagctttggc | antgggttgt | 540 |
| ggatcccttt | canaatggta | aaaggaaagg | ttggttaattg | atgccttcan | aatggancaa | 600 |
| ggctaaatna | agggttagg  | acttgaaccc | ggacaanaan  | tttaaattng | gncccttaaa | 660 |
| caagcctttt | ntcnggcttt | attttggtt  | accnctttt   | tnn        |            | 703 |

<210> 704

<211> 683  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(683)  
 <223> n = A,T,C or G

<400> 704

|            |             |             |             |             |            |     |
|------------|-------------|-------------|-------------|-------------|------------|-----|
| cgaggtactg | agggatagga  | gagtatatgg  | gtttggcacc  | acaggggtggg | taggcaaaac | 60  |
| aatttggttg | ataaggtctca | gatacctgaac | taacctgtaa  | gggcttgtct  | ggttcgagga | 120 |
| caggtgaaat | gggggaattg  | taagtagagt  | ttataggctt  | taaaaggcca  | tgctgtagca | 180 |
| ggcgagtgat | aacaggcttt  | aatcttttta  | aagcatgctg  | tgggatggga  | tattggcatt | 240 |
| gagcggggta | aggggtgatta | ggttttaatg  | agatggtaag  | gggtccatga  | tcggtcacca | 300 |
| aggagggagt | agaggtatct  | tataacttgtg | ggttaagggtg | gggggatata  | agaggaggac | 360 |
| gcanaggagg | ctttggattg  | ggaaaaaagg  | gcaccaatga  | gatgtacct   | aatccaggaa | 420 |
| tagtcaggga | aacnnatagt  | tanttaaaag  | tgtctcggct  | aatangggac  | tgggcagtg  | 480 |
| ggatactaaa | aaggatgctt  | aaaaagtatg  | nctaagttgc  | accnnattna  | ngagttttaa | 540 |
| aaggttaaaa | acttgctggn  | aatcctanca  | ccnttttgga  | gcnagaaaac  | aggcccttna | 600 |
| aanaaggtat | ntgaatggga  | accccntntt  | aaaaggggcg  | gcntaatctt  | cctgnaaagt | 660 |
| cttnaactnt | nnaaggccct  | acn         |             |             |            | 683 |

<210> 705  
 <211> 463  
 <212> DNA  
 <213> Homo sapiens

<400> 705

|            |             |            |            |            |             |     |
|------------|-------------|------------|------------|------------|-------------|-----|
| ctgaaagtcg | atgaaggacg  | cgattacctg | cgataagctt | cgtggagttg | gaaataaaact | 60  |
| atgatacgga | gatttccgaa  | tggggtaacc | taactgagca | aacctcagtt | gcattttgat  | 120 |
| gaatccatag | tcaaattagc  | gagacacgtt | gcgaattgaa | acatcttagt | agcaacagga  | 180 |
| aaagaaaata | aataatgatt  | tcgtcagtag | tggcagcgca | aagcgaaaga | gccccaacct  | 240 |
| gtaaaaagg  | gttgtaggac  | atcttacatt | gagttacaaa | attttatgat | agtagaagaa  | 300 |
| gttggaagc  | ttcaacatag  | aaggtgatat | tcctgtatac | gaaatcataa | aatctcatag  | 360 |
| atgtatcctg | agtagggcgg  | ggcaccgtga | aaccctgtct | gaatctgccg | ggaccaccgg  | 420 |
| gtaaggctaa | ataactaatca | gacaccgata | gtgaactagt | acc        |             | 463 |

<210> 706  
 <211> 651  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(651)  
 <223> n = A,T,C or G

<400> 706

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| actatagcat | ctgtggaaaa | tcttagaaaa | aaacattttc | tccccacccc | tctctcttcc | 60  |
| ctgttaagac | catcccaaaa | tgcttcaagt | aaaaaataac | aagtttaagg | ggttaagcac | 120 |
| ttttaaagtc | tgattaagg  | gggtggggga | aaaaagagta | actaccagcc | attctccaa  | 180 |
| tggacatctc | ttccacagac | ctcaacgtga | gaactgctct | agtttctata | aactgtaaac | 240 |

```

ctgtgggtggt ctgattatcc tgatattgga ttttcttggt ttctgttaca ccttgagtca      300
tttgcccttta ggattctaga cagacctaaag ggaaaaaagaa ctgaaaacat attttgcccc      360
cacccccaca aaaaaaaata ctgaaaactc cccccgcct cagttacaca tccaaactct      420
acattttacaa aacgaattca ggggtgaggaa gtaaaacagg tcatctattc acaaaactga      480
aatacttcat taccccaact aaacatacaa actgnttaca gattgctgaa atggctcaat      540
ttggctatca aattcatttg ggtttcctca aatcgngtaa aaaaaaaaaa aaaaaaagct      600
tggncctnng ccgnaacacn cttangggca aatccanccc ctggngngcc g              651

```

```

<210> 707
<211> 625
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(625)
<223> n = A,T,C or G

```

```

<400> 707
ggtggcggct cgggacggag gacgcgctag tgttcttctg tgtggcagtt cagaatgatg      60
gatcaagcta gatcagcatt ctctaacttg tttgggtggag aaccattgtc atatacccgg      120
ttcagcctgg ctccggcaagt agatggcgat aacagtcag tggagatgaa acttgctgta      180
gatgaagaag aaaatgctga caataacaca aaggccaatg tcacaaaacc aaaaagggtgt      240
agtggaagta tctgctatgg gactattgct gtgatcgtct ttttcttgat tggatttatg      300
attggctact tgggctattg taaaggggta gaaccaaaaa ctgagtgatga gagactggca      360
ggaacccgag tctccagtga gggaggagcc aggagaggac ttcttgcaca cgtcgcttat      420
attgggatga cctgaagaga aagttgtcgg agaaactggc agcacagact tcaccagcac      480
catcaagctg ctgaatgaaa atcatatgtc cctcgtgang ctggatctca aaagatgaaa      540
atctgcttga tgttgaaatc aattcgtgaa ttaactcaca agttgcgtga cacatttgta      600
aatcngcaaa cacntnaaac tgggn              625

```

```

<210> 708
<211> 209
<212> DNA
<213> Homo sapiens

```

```

<400> 708
actgttccat ctggaagtca agattgggtgc cacctaagtg ggttctctgct gcaaggaact      60
taaggacatc ctctctcttc atttgcagga catcaagggc tccggacatt gtgaaagttt      120
ccctttaagt tacgacggga atccagaaca acgccgtatg gacccctctg caggtagcac      180
ggaaaaaaaa aaaaaaaaaa gcttgtacc              209

```

```

<210> 709
<211> 643
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(643)
<223> n = A,T,C or G

```

```

<400> 709

```

|             |            |             |             |            |            |     |
|-------------|------------|-------------|-------------|------------|------------|-----|
| gggtactcctt | agagccagtt | gctgtagaac  | tcaaactctt  | gctgggcaag | gatgttctgt | 60  |
| tcttgaagga  | ctgtgtaggc | ccagaagtgg  | agaaaagcctg | tgccaaccca | gctgctgggt | 120 |
| ctgtcatcct  | gctgggagaa | ctccgctttc  | atgtggagga  | agaagggaag | ggaaaagatg | 180 |
| cttctgggaa  | caagggttaa | gccagagccag | ccaaaataga  | agctttccga | gcttcacttt | 240 |
| ccaagctagg  | ggatgtctat | gtcaatgatg  | cttttggcac  | tgctcacaga | gcccacagct | 300 |
| ccatggtagg  | agtcaatctg | ccacagaang  | ctggtgggtt  | tttgatgaag | aaggagctga | 360 |
| actactttgc  | aaaggccttg | gagagcccag  | agcgaccctt  | cctggccatt | ctnggcggac | 420 |
| taaaagttga  | gaccagatcc | agctcatcaa  | taatatgctg  | gacaaaagtc | aatgagatga | 480 |
| ttattggtgg  | tggaatggct | tttaccttcc  | ttaangngct  | caacaccatg | gagattggca | 540 |
| cttctctggg  | tgatgaaaaa | gggncccaga  | ttgcaaagac  | tnatgtccaa | actgagaaaa | 600 |
| agggntgaan  | ataccttgcc | tgtgctttgc  | nctgttncaa  | ttg        |            | 643 |

<210> 710  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

|             |             |             |            |            |             |     |
|-------------|-------------|-------------|------------|------------|-------------|-----|
| gggtactcttc | tagcattttag | atctacactc  | tgcagttaaa | gatggggaaa | ctgagggcgag | 60  |
| agagggttaac | agattttatct | aagggtcccca | gcagaattga | cagttgaaca | gagctagagg  | 120 |
| ccatgtctcc  | tgcatagctt  | ttccctgtcc  | tgacaccagg | caagaaaagc | gcagagaaat  | 180 |
| cgggtgtctga | cgatttttga  | aatgagaaca  | atctcaaaaa | aaaaaaaaaa | gaaaagagaa  | 240 |
| aaaaaagact  | agccagccag  | gaagatgaat  | cctagcttct | tccattggaa | aattttaagac | 300 |
| aagttcaaca  | acaaaacatt  | tgctctgggg  | ggcagggaaa | acacagatgt | gttgcaaagg  | 360 |
| taggttgaag  | ggacctctct  | cttaccaagt  |            |            |             | 390 |

<210> 711  
 <211> 683  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(683)  
 <223> n = A,T,C or G

|             |            |             |            |            |             |     |
|-------------|------------|-------------|------------|------------|-------------|-----|
| cgagggtcaag | aaggcagccc | gagaagaaac  | gggaggacaa | agctaagaag | aagcacgaca  | 60  |
| ggaaatccaa  | acgcctggat | gaggaggagg  | aggacaatga | aggcggggag | tgggaaaggg  | 120 |
| tccggggcgg  | agtgccgttg | gttaaggaga  | agccaaaaat | gtttgccaa  | ggaactgaga  | 180 |
| tcacccatgc  | tggtgttatc | aagaaaactga | atgagatcct | acaggcacga | ggcaagaagg  | 240 |
| gaactgatcg  | tgctgcccag | attgagctgc  | tgcaactgct | ggttcagatt | gcagcggaag  | 300 |
| acaacctggg  | agagggcgtc | attgtcaaga  | tcaagttcaa | tatcatcgcc | tctctctatg  | 360 |
| actacaaccc  | caacctggca | acctacatga  | agccagagat | gtgggggaag | tgccctggact | 420 |
| gcatcaatga  | gctgatggat | atcctgtttg  | caaatcccaa | catttttgnt | ggggggagaat | 480 |
| attcttggaa  | gaaaagtga  | aacctgcaca  | acgctgaccc | agcccttgcg | tgtccctggc  | 540 |
| ttgcatnctn  | acttttgggt | ggaaccnaat  | gggttaaaga | aattanccca | ataatgccaa  | 600 |
| atacttgacc  | cttanttccc | aaaaatacct  | tgcccggggc | ggcccnttca | aaagggccaa  | 660 |
| attccancnc  | ccttgggggc | cgc         |            |            |             | 683 |

<210> 712  
 <211> 605  
 <212> DNA



&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(605)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 712

|            |             |            |            |             |            |     |
|------------|-------------|------------|------------|-------------|------------|-----|
| ggtacaagct | tttttttttt  | tttttttttt | tttctaaaca | atagtgcctt  | attgataaaa | 60  |
| ggttagttta | aatggataca  | aaattgctgt | gtaaaataag | tgttttcaaa  | atacatttct | 120 |
| ataggtagag | actatgtctt  | agtaaaagag | cagttatcta | ttatcaaaaag | tatctattta | 180 |
| natttgggta | gtaaaaccaa  | aggggatcag | aagtgtanca | gtgtgggtcc  | tccctccctg | 240 |
| catagctgtt | accaggaggc  | agcgtgcctg | aagtacttgg | aggaacgaag  | aataaaggag | 300 |
| attgtgaaga | aacattctca  | gcttattgga | tatcccatta | ctctttttgt  | ggagaaggaa | 360 |
| ccgtgataaa | gaagtaagcg  | atgatgaggc | tgaagaaaag | gaagaccaag  | agaagaata  | 420 |
| ngaanaagaa | gagaaagagt  | cggaagacaa | acctgaaatt | gaanatgttg  | gtctgatgag | 480 |
| gaagaaaaaa | gaaggtgggtg | cnagaagaan | anaagaagat | taggaaagtc  | ctgccggcgg | 540 |
| ccgtcaangc | aatccaccct  | gcggcgtcta | ngaccactgn | ncactgngat  | atgctctgtc | 600 |
| tggnna     |             |            |            |             |            | 605 |

&lt;210&gt; 713

&lt;211&gt; 376

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 713

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggtaccaagg | ttattgatca | agtcagcctt | ggtcattcca | attccagtat | ccacaatagt | 60  |
| gagagttcga | tcttggttgt | tcggtataag | gttaatatgc | agctctttcc | cagagtctaa | 120 |
| tttactggga | tctgtcaagc | tttcataccg | gattttgtcc | aatgcatctg | atgaatttga | 180 |
| aatgagctct | ctcagaaaga | tctctttgtt | cgagtagaaa | gtattgatga | tcaatgacat | 240 |
| caactgggca | atttctgcct | gaaaggcgaa | cgtctcaacc | tcctcctcct | ccatcggttg | 300 |
| gtcttgggtc | tgggtttcct | caggcatctt | ggctaagtga | cccgcacagg | accaacggca | 360 |
| cagccacacc | gacctg     |            |            |            |            | 376 |

&lt;210&gt; 714

&lt;211&gt; 378

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 714

|             |            |             |             |            |            |     |
|-------------|------------|-------------|-------------|------------|------------|-----|
| cgaggtacca  | aggttattga | tcaagtcagc  | cttgggtcatt | ccaattccag | tatccacaat | 60  |
| agtgagagtt  | cgatcttggt | tggttcggtat | aagggttaata | tgcagctctt | tcccagagtc | 120 |
| taattttactg | ggatctgtca | agctttcata  | ccggattttg  | tccaatgcat | ctgatgaatt | 180 |
| tgaaatgagc  | tctctcagaa | agatctcttt  | gttcgagtag  | aaagtattga | tgatcaatga | 240 |
| catcaactgg  | gcaatttctg | cctgaaaggc  | gaacgtctca  | acctcctcct | cctccatcgg | 300 |
| ttggtcttgg  | gtctgggttt | cctcaggcat  | cttggctaag  | tgaccgcaca | ggaccaacgg | 360 |
| cacagccaca  | ccgacctg   |             |             |            |            | 378 |

&lt;210&gt; 715

&lt;211&gt; 310

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(310)  
 <223> n = A,T,C or G

<400> 715  
 actttttgagt gtgtgtgtgc atgtgtgtgt gtgtgtgtgt gtgtgtgtat gtgagagatt 60  
 ctgtgatctt ttaaagtgtt acttttttgta aacgacaaga ataattcaat tttaaagact 120  
 caaggtggtc agtaaataac aggcatattgt tcactgaagg tgattcacca aaatagtctt 180  
 ctcaaattag aaagttaacc ccatgtcctc agcatattctt ttctggccaa aagcagtaaa 240  
 tttgctagca gtaaaagatg aagttttata cacacagcan aaaaaaaaaa aaaaaaaaaa 300  
 agcttgtagc 310

<210> 716  
 <211> 624  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(624)  
 <223> n = A,T,C or G

<400> 716  
 ggtaccgatt gccaggctgt ggtctcctcc cagtgtgaca cggctgtagc catctgacac 60  
 agctctgcta accacctcag ccagttcctg gttggcaaga cccactgagc gtggattcac 120  
 tatcaggttg ttgtagagat catctttggg gactggagta aaattcaaatt ctccaaagtc 180  
 ttttaggttg cagcccaaac tggagagcct ttccatcaag ccagcttctc ttatggcagc 240  
 gggaccatgc tccactccgt ttcttttctg tccttgtgag aacggggctc ctatcacagc 300  
 cacggagtgg acggatttct tcaggatgga atgcactcgc gtctggagga gacgcgagag 360  
 gctgccctta gggacatgat cccgcagcac tgagaatctc caaggcagag gctccacatg 420  
 gccgggggtgt tgaaggtctc aaacataatc tgagtcactc tctctctgtt ggccttgggg 480  
 ttcaaggggg cctcgggcaca gcactgggtg ctcttncggg ccacgcgcac ttgtgtaaaa 540  
 gtgngtgcca nactttcatg cgnccaattg gngaccatcc tctnatggga ctgccggggc 600  
 cgttnaaggg gaatcacnt ggng 624

<210> 717  
 <211> 652  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(652)  
 <223> n = A,T,C or G

<400> 717  
 cgaggtaaaa aaattagctg ggtgtcgtga tgggtgcctg taatcacagc tatgtgggag 60  
 gctgaggcag gagaattgct tgaacctggg aggcgaagg tgcagtgagc caagatcacg 120  
 tcaactgact ccagcctctt tgacagagtg cgactctgtc tcagaaaaaa aaaaaaaga 180  
 aagaaaagag attacatatt atttagaaaa cagcagctaa acagtctttg ggtctctggc 240  
 aaagatgaag tgagccagtc ttcttccgac taaatcacca actggacaaa gttctcagct 300  
 ggaaaacact ccccttcttg gatcctgcgc ccagaagtgg tagcaagaac ttcttggaat 360

|            |             |             |             |             |             |     |
|------------|-------------|-------------|-------------|-------------|-------------|-----|
| agaatggagc | agaaccttcc  | tgagcctgag  | gaaccaacaa  | aaagtcaaag  | aatgaactct  | 420 |
| ttcgaacaca | aaataaaaatt | tctcaaagcc  | caggatcatgc | ttttttctgta | aatctttatc  | 480 |
| cctgcgtcag | tatggacatg  | acatagtgcca | gagagaaaat  | tctcagccta  | ccttatgcnc  | 540 |
| aagaaaatgc | catgatgccg  | ccagcttggt  | gatgcccncag | gacantgctn  | ttgangggccg | 600 |
| gaaaataggn | ctgcagcngg  | gaaccaaagg  | ctgttnnccct | gnttctttaa  | ag          | 652 |

<210> 718  
 <211> 544  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(544)  
 <223> n = A,T,C or G

|             |            |            |            |             |            |     |
|-------------|------------|------------|------------|-------------|------------|-----|
| <400> 718   |            |            |            |             |            |     |
| cacagagggga | gtgaggtgca | tttgcagtc  | gctttcgctc | accactaaga  | tggatgcaga | 60  |
| gcatccggaa  | ctcaggagtt | acgctcagag | ccaagggttg | tggacgggag  | agggcgagtt | 120 |
| caatttttcc  | gaagtctttt | ctccagttga | ggatcatcta | gactgcgggtg | ctggcaaaga | 180 |
| cagcttagaa  | aaacaagaag | aaagcatcac | agtgcagact | atgatgaaca  | ccttacggga | 240 |
| caaagcccagc | ggagtgtgca | tagactctga | gtttttcctc | accacagcca  | gtggagtgtc | 300 |
| tgtcctgccg  | cagaatagaa | gctctccgtg | cattcactac | ttcactggaa  | cccctgatcc | 360 |
| ttccaggtcc  | atattcaagc | ttttcatctt | tggtgatgac | gtaaaacttg  | tccccaaaac | 420 |
| acaagtctcc  | ctgttttggg | ggatgacgac | ccttgccaaa | aaggagcctc  | gggttnccag | 480 |
| agaaaccnga  | accggccggc | attgaacctg | taccttgnc  | gggcccggcg  | nttcnaangg | 540 |
| gcga        |            |            |            |             |            | 544 |

<210> 719  
 <211> 626  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(626)  
 <223> n = A,T,C or G

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| <400> 719  |             |            |            |            |            |     |
| accaaagaaa | agctgaacag  | gaaaatgaga | agagaagaaa | tgtagaaaat | gaagtttcta | 60  |
| cattaaagga | tcagttggaa  | gacttaaaga | aagtcagtca | gaattcacag | cttgctaata | 120 |
| agaagctgtc | ccagttacaa  | aagcagctag | aagaagccaa | tgacttactt | aggacagaat | 180 |
| cggacacagc | tgtaaagattg | aggaagagtc | acacagagat | gaacaagtca | attagtcagt | 240 |
| tagagtccct | gaacagagag  | ttgcaagaga | gaaatcgaat | tttagagaat | tctaagtcac | 300 |
| aaacagacaa | agattattac  | cagctgcaag | ctatattaga | agctgaacga | agagacagag | 360 |
| gtcatgattc | tgagatgatt  | ggagaccttc | aagctcgaat | tacatcttta | nagaggaggt | 420 |
| gaacatctca | acataatctc  | gaaaaagtg  | aaggagaaa  | aaaagagctc | aagacatgct | 480 |
| taatcactca | gaaaaggaaa  | gaatatttag | agatagattt | aactacaact | taaatcnttc | 540 |
| acacggtaga | ccagangtaa  | tgacccccag | accaagctcg | ttactgcaac | atcatntttg | 600 |
| agaggcaagc | ttggcatggg  | taaaaa     |            |            |            | 626 |

<210> 720  
 <211> 469

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(469)  
<223> n = A,T,C or G

```

<400> 720
ggtactcttt agcattaaat tacatcgtgc atatacaact acacccattt agatttgctt      60
tggaatataa tttcaaggcc ttaaataatta aaaataattt tataactatt tcatagttaa      120
attggctctt aaatagtttt gctagggagg aaacattttg tgttctttaa gaaattgata      180
tgtgtaaatg tggtcactta aatcttgaga aaacctaagg atgaagtctg ttgttttggt      240
tttcctaaaa aaggaaaaaa gaaccaaaga aaaatgttga agaacaagaa tatttaccat      300
taaaaagaag aaacattatc caacaaaaag gagacatata gatttgaaaa cacttatttt      360
actgncttca acaacaacaa caaacagata ggcaggggaa gtccagagga ctcagaattg      420
aagcagctct atacaataat gaaggtggac ctgccgggag ggcgctcga      469

```

<210> 721  
<211> 644  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(644)  
<223> n = A,T,C or G

```

<400> 721
acaagggtcaa tctcacttcg agtgaccaca atccggacca ggggtggagtc atctgtgcc      60
gcacctttca tagcatagta gagcctctca gcaaagaagg cagggcggtt cagggcacac      120
tgcaagatgg tcttcaaacc actttctaca tatccggaaa actcacggct cacactgctt      180
aacaagtctc gattagccat cctagaataa gcctccatgg tagctctcag ctgaggaaag      240
cttcttggtg caaggatcat gttaaagcaa gattcatcgg tccctagtct cccctcacca      300
gcttgataga gacgctgagc atcttcctga gccatttggt ggtttatact ctggttctca      360
tcacgatttc cctggcacat ggacacaagt aaacggttcaa aatgtcctga tgtatctgac      420
ctaattgncct tttcaaggtc tcgtccaaat tctgactgat aacatctgac aatttctcgg      480
atttcctgat ttgggtcttg gcacaaaatc ttcaatcaat acaccgttcc tgagttcctg      540
ntnctgcat tgntttccga agcttcaggc atcgnaatcc taggangctt gaaaaggccn      600
ggatcagttt ttctattcn cttactttga ttgaaacntt gata      644

```

<210> 722  
<211> 510  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(510)  
<223> n = A,T,C or G

```

<400> 722
cgagggtcgga gatctcgccg gctttacgtt cacctcgggtg tctgcagcac cctccgcttc      60

```

|            |            |             |             |            |            |     |
|------------|------------|-------------|-------------|------------|------------|-----|
| ctctcctag  | cgacgagacc | cagtggctag  | aagttcacca  | tgtctattct | caagatccat | 120 |
| gccagggaga | tctttgactc | tcgcgggaat  | cccactgttg  | aggttgatct | cttcacctca | 180 |
| aaaggtctct | tcagagctgc | tgtgcccagt  | ggtgcttcaa  | ctggtatcta | tgaggcccta | 240 |
| gagctccggg | acaatgataa | gactcgctat  | atggggaagg  | gtgtctcaaa | ggctgttgag | 300 |
| cacatcaata | aaactattgc | gcctgcccctg | gttagcaaga  | aactgaacgt | cacagaacaa | 360 |
| gagaagattg | acaaactgat | gatcgagatg  | gatggaacag  | aaaataaatc | taagtttggt | 420 |
| gccaacgcca | ttctgggggt | gtcccttgcc  | gctgcaaaagc | tggtgccgtt | gagaangggg | 480 |
| tcccctgtac | ctgccnggcg | gccgtcgaaa  |             |            |            | 510 |

<210> 723  
 <211> 640  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (640)  
 <223> n = A,T,C or G

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 723  |            |            |            |            |            |     |
| ggtaccaagc | gtatcagcat | tcacctcctt | gcctcacatg | ccagtgggct | caatcacaa  | 60  |
| cctgcctgtg | aatctgta   | tgactcctca | acatttggag | aaggcaaagc | tccaggtccc | 120 |
| ccttttccct | aaactcttgg | catagccaac | gtggccaccc | gcctctcttc | catccagctg | 180 |
| ggccagtctg | agaaggagag | acctgaggag | gccaggaggc | tggactcatc | tgatagggat | 240 |
| attagttcag | ctactgacct | ccagccagat | caggctgaga | ctgaagatac | agaagaagaa | 300 |
| ctagtagatg | gttttgaaga | ctgntgtagc | cgtgatgaga | atgaagagga | ggagggagac | 360 |
| tcagagtgtc | cctcattaag | tgctgtccc  | ccagcgaatc | ggtggccatg | atctctagaa | 420 |
| ctgtatggaa | attctgacca | aaccctttc  | caatcatgag | aaaagttgtc | cgaccagcct | 480 |
| catctacagc | tctttccaac | gttcccctac | catctatttt | ggcactcggg | atgaaaaant | 540 |
| ggagaaactt | tcttgggaac | cnangaagtt | gcttcnatgg | aagatgagcn | cagggacccc | 600 |
| aacattgcaa | ccnaccattg | gacggncccc | tttaaatang |            |            | 640 |

<210> 724  
 <211> 593  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (593)  
 <223> n = A,T,C or G

|            |             |            |            |             |            |     |
|------------|-------------|------------|------------|-------------|------------|-----|
| <400> 724  |             |            |            |             |            |     |
| ggtacctg   | cgccctcgac  | gtcaatgtgg | ccttgcgcaa | aatcgccaac  | ttgctgaagc | 60  |
| cagacaaaga | gatcgtgcag  | gacggtgacc | atatgatcat | ccgcacgctg  | agcactttta | 120 |
| ggaactacat | catggacttc  | caggttggga | aggagttaga | ggaggatctg  | acaggcatag | 180 |
| atgaccgcaa | gtgcatgaca  | acagtgaagt | gggacggaga | caagctccag  | tgtgtgcaga | 240 |
| agggtgagaa | ggaggggctg  | ggctggaccc | agtggatcga | gggtgatgag  | ctgcacctgg | 300 |
| agatgagagt | ggaagggtgtg | gtctgcaagc | aagtattcaa | gaagggtgcag | tgaggcccag | 360 |
| gcagacaacc | ttgtcccaag  | gaatcagcag | gatgtgtggg | ccaggatccc  | cttttgcaca | 420 |
| gcatgaggca | aaaatgtcca  | ccacccccag | cattgttagc | agatctgtct  | ttgctttgca | 480 |
| cttttctttc | ttaaacaaac  | ctgcataagt | gatctgtgtt | agaaaaactg  | ccggcgccca | 540 |
| agcaatcacc | atgcgcgtct  | atgaccactn | nncactgcna | tatgctantg  | tct        | 593 |

<210> 725  
 <211> 606  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(606)  
 <223> n = A,T,C or G

```

<400> 725
acngcagctg ctccacggcc ccagcacgaa atgtatcaca ggcagcaatg aggacactga      60
agccattctc taacaaccag aaggaaatct tggcaagatt agtagatttc cccactccat      120
taacgccgca gaaggtgacg acataagggc gctggcgacg ctgggcatcc atgatgtccc      180
ggagcatgtc tacacgacgc tgtggctgca gaatctgcac cagggactcc tgtagggctt      240
gctttactgt ggaagtcacc gtgctgaacg tccccatcac cttcccttcc aacttggttg      300
caacagattc acagagctgg acggcaatgt ctgcagccac gttcttagca atgagatgat      360
cacgcatctt gtccagcaca gattccatgt cttcacgact caagctcttt gaaccacaaa      420
ggcccttcag cataccaaac atgccaccca gtgttccttg gtcgcactan gtttggtaga      480
gttttgagca gcccttcgtc atcaanctgt gcattccagat ctgaactgcc ccagaccagc      540
cttgaatagg tgatgcctaa caggagctag ggtcatgnng tggagactgg cgncacctag      600
gcaatc                                         606
  
```

<210> 726  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(594)  
 <223> n = A,T,C or G

```

<400> 726
accacatcat ccatgctgac atctaccgct ggtttaacat ttcgtttgat attttttggtc      60
gcaccaccac tccacagcag accaaaatca cccaggacat tttccagcag ttgctgaaac      120
gaggttttgt gctgcaagat actgtggagc aactgcatg tgagcactgt gctcgcttcc      180
tggctgaccg cttcgtggag ggcgtgtgtc ccttctgttg ctatgaggag gctcggggtg      240
accagtgtga caagtgtggc aagctcatca atgctgtcga gcttaagaag cctcagtgtg      300
aagtctgccg atcatgccct gtggtgcagt cgagccagca cctgtttctg gacctgccta      360
agctggagaa gcgactggag gagtggttgg ggaggacatt gcctgcagtg actggacacc      420
caatgcccag ttatcaccog ttcttgcttc nggatggcct caaccacgct gataacccga      480
gacctcaatg gggaacctgt cctcggcgga cacctaggca atcacacact gcggccgtct      540
agtgatccac tcgaccactt gcgatatgga tantgtctgg taatgatcgt acat          594
  
```

<210> 727  
 <211> 665  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> (1)...(665)  
 <223> n = A,T,C or G

<400> 727  
 gcgtgggtcgc gccgaggtgc cgtcaaggag tagaaattgg tatgcttaga agcagattct 60  
 aaaagcagtt tctcttcaga acatcttttt tcataccact tgataagcat cttgaaacac 120  
 catggctgta gctgcagtaa aatgggtgat gtcaaagaga actatcttga aacattttatt 180  
 tccagtccaa aatggagctt tataattgtgt ttgtcataaa tctacgtatt ctctcttacc 240  
 agatgactat aattgcaacg tagagcttgc tctgacttct gatggcagga caatagtatg 300  
 ctaccaccct tctgtggaca ttccatatga acacacaaaa cctatccctc ggccagatct 360  
 gtgcataata atgaagaaac acatgatcaa gtgctgaaaa ccagattgga agaaaaagtt 420  
 gaacaccttg aggaaagacc tatgatngaa ccacttancc aaatggctnt tactactaag 480  
 caccctggnn attcctcatg gacngnntac agatgtcnta agaactctgaa tcttccaaag 540  
 accgatgatg ccganggtcc tggggggatc aaaagaaaag ggncccatct gcatttggna 600  
 aaagccanct ggggggttccn tattttttgt aaggaataat gntaaaaatc tttctntttt 660  
 anaag 665

<210> 728  
 <211> 624  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(624)  
 <223> n = A,T,C or G

<400> 728  
 gggtaccag gcagtatctc tagagtcctt aacttaatat tagtaactaa agaaaagggt 60  
 tgcgctcggt gcaggactta acctaacatc tcacgacacg agctgacgac aaccatgcac 120  
 catctgtcat tctgttaacc tccactatat ctctatagct ttgcagaaga tgtcaagagt 180  
 gggtaagggt ctacgcgtag aatcaaatta aaccacatgc tccaccgctt gtgcgggttc 240  
 ccgtcaattc ctttaaatct cactcttgcg agcatactac tcaggcggat catttaacgc 300  
 gtttagctgcg ttagtgaaat tattccacca actaatgatc atcgtttacg gcgtggacta 360  
 ccagggtatc taatcctggt tgctcccccac gctttcgctc cttagtgcaa tatataacca 420  
 gtttagctgcc ttgccttatt gggntcttcc taatatctac gcattccacc gcttcactag 480  
 gaattccggt acctctttat aatctatttg gcagtatcca agcggctgaa gttgagctta 540  
 acatttactt cagacttaca aaaactacgc gcttaacgccc aatattccga tacgttgac 600  
 natgattacc ggggtgtgcc aaaa 624

<210> 729  
 <211> 449  
 <212> DNA  
 <213> Homo sapiens

<400> 729  
 actgacacac aaagtgcctt cactggacct tacagttctc actgccgttg gactccagtc 60  
 cagctttggg gctggggaca agtcggcctc gcttgaccct caggccctct ctggggctgt 120  
 cagtcggact tctctcagga agattattga ctgggaacgga ttctgtggtg ggttctcgga 180  
 ggatgggtgcc tgaatctact gggctccgct gagcaacttt gaccttttgt gatctgctgc 240  
 caccagctgt tgggttggag gactctgcaa gatattcttt gccgagactc agtggggata 300  
 gcgctaactt ctgtgcaacc aggcgggggc tgggtccagt tgccatggtt gttcttcgca 360  
 ggatatatgg gctaagtctt tcctgtcggg atgtcagcaa accctttctt tacaacttct 420

ggaagtcacct ctggctcaaa ctcagtacc

449

<210> 730  
 <211> 646  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1) ... (646)  
 <223> n = A,T,C or G

<400> 730  
 actcattaat cagggagcct caatcttagt aaaagattac attttgaaga ggacacctat 60  
 tcatgcagca gcaacaaatg gtcattcaga atgcttacgg ctattaatag gaaatgcaga 120  
 accacagaat gcagtggata ttcaagatgg aaatggacag acgcctctga tgctatctgt 180  
 tctcaacggg cacacagact gtgtttactc attgctgaac aaaggagcaa atgtagatgc 240  
 caaagataag tggggaagga cagcgttgca tagaggggca gttacaggcc atgaagaatg 300  
 tgtagatgca ttacttcaac atgggtgctaa gtgcttactt cgggtagca gggggccgga 360  
 cgcctataca cctgtctgct gcctgtggac acattggtgt tcttgagcc cttttgcagt 420  
 cagcagcatc tatggatgca aatccagcca cagcagacaa tcatggatat ccgnacttac 480  
 tgggcttgta caatggtcac gagacatgtg tagaactgnt tttagaacag gaagttttcc 540  
 agaaaacgga aggaaatgct tttagtccat tgcattngc cgtgataaat gccaccaaag 600  
 ggctgttaaa ngttaattga tcnttanggg ccacattggg aacccc 646

<210> 731  
 <211> 639  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (639)  
 <223> n = A,T,C or G

<400> 731  
 acagacttgt ttttgagtgt tgagtagcag ggacaaaata aggggaatgtt attttttaag 60  
 aaaattcatt ttcattgttg tctccttcct tttctgtgaa agtcctcata ctgagaaatt 120  
 tgtatatatt atattaaatc acttactatt gatttttgtt gtgattttca aagggtggatt 180  
 cccacagata aaatcttggc tattgcccaa aacatagtaa agggtcacgt gtgacttttt 240  
 ataataaggaa gaaaattctg cctttgtgag tgcacatgac cacatttcat cctccttcc 300  
 ctcaaaaccc tagagagggg cattaaagaa ttgttgatgt atatgcaatg tctgttaaag 360  
 catgcactat gtatttcac ctcatttatt gggctctggga ctgaagtttt taaccacat 420  
 ggacctaac tacttttttg gataaaattc tctgtttggt acaggcaaaa ttctggtatg 480  
 gcgtgaatgc catgggtcat tctgaatata ttttttctgg aatttatcat acacgatgtt 540  
 gcaatacgtg ctttggtttt taatttgaag ccaacttttc tactgttgaa agacattttt 600  
 gccactggg ccttctanaa tggagtctaa gttaggncg 639

<210> 732  
 <211> 538  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> (1)...(538)  
 <223> n = A,T,C or G

<400> 732  
 ggtactcgtc ccttcaaaca gtaaacaaga aagtgcagac agtgctgcca gagacaggag 60  
 gattttcaca tgagactgaa aaagccgaca cacccttaca actaagtcac ggtcgaagtcg 120  
 gacctgccat ccacctccac cagtcctctgg aaccgagcag gtcagagttt tctctaattc 180  
 tattccccgg catcaagtga aactagaac tcacacggaa ggccccgagc aaccactggc 240  
 ctcggggctg ggtgcaccca ctctcacc caggagattg tcacaaaaca cgctagggggg 300  
 cagagacgct gtaaaactgga cacacacgga acacaatgcc ctttccactt acacagcgtg 360  
 gggatgataa aaaggaatct tttgagcaag tctataattt tacagaattt agaggtggga 420  
 aagatggcca attttccttc tttatgcctg gggcagacca cctgcttctg gggtaaagtg 480  
 tttgagaagg aaaaagaccc tgnacctgcc nngggcggcg ctcgaaaggc caattcna 538

<210> 733  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<400> 733  
 cgaggtaccc tatggcctat gttgactata agactgtgct gcagattgat gataatgtga 60  
 cgtcagccgt agaaggcatc aacagaatga ccagagctct catggactcg cttgggcctg 120  
 agtggcgctt gaagctgccc tcaatccccct tgggtgctgt ttcagttcag aagaggtgga 180  
 attccttgcc ttcggagAAC cacaagaga tggctaaaag caaatccaaa gaaaccacag 240  
 ctacaaagaa cagagtgctt tctgctgggg atgtggagaa agccagagtt ctgaagggaag 300  
 aaggcaatga gcttgtaaag aagggaacc ataagaaagc tattgagaag t 351

<210> 734  
 <211> 625  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(625)  
 <223> n = A,T,C or G

<400> 734  
 cgaggtacaa tccttgacct tgtgcattat agcattccat tagcaagagt tgtaccatcc 60  
 ttcattccaaa tggcaacatc acagagctcc tcctgaagga aggtttcgca cgctgtgtgg 120  
 actggtcgat tgcagtttac acccggggag cagaaaagct gagggcgcca gagaggtttg 180  
 ccaaagagcg caggctgaga atatggagag actatgtggc tcccacagct aatttgagcc 240  
 aaaaggacaa gcagtttgtt gccaaagtga tgcaggttct gaatgctgat gccattgttg 300  
 tgaagctgaa ctgaggcgat tacaagacga ttcacctgtc cagcatccga ccaccgagggc 360  
 tggaggggga gaacacctag gataagaaca agaaactgcg tcccctgtat gacattcctt 420  
 acatgtttga ggccccggga atttcttcga aaaaagctta ttgggaaaaa gtcaatgtga 480  
 cngtggacta cattagacca ccagcccagc cacagagaca gtgctgcctt tcaaacgtcc 540  
 tgccgggagg ccgtcaaagg cnattcacca tggcggcgtc tatggaccac tcggaccact 600  
 gggaactggc tactgtctgg gaatg 625

<210> 735

<211> 677  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (677)  
 <223> n = A,T,C or G

<400> 735  
 actttctatg agaagcgtat gaccacagaa gttgctgctg acgctctggg tgaagaatgg 60  
 aagggttatg tgggtccgaat cagtgggtggg aacgacaaac aaggtttccc catgaagcag 120  
 ggtgtcttga occatggccg tgtccgcctg ctactgagta aggggcattc ctgttacaga 180  
 ccaaggagaa ctggagaaag aaagagaaaa tcagttcgtg gttgcattgt ggatgcaaat 240  
 ctgagcgttc tcaacttggg tattgtaaaa aaaggagaga aggatattcc tggactgact 300  
 gatactacag tgcctcgccg cctggggcccc aaaagagcta gcagaatccg caaacttttc 360  
 aatctctcta aagaagatga tgtccgccag tatgttgtaa gaaagccctt aaatanngaa 420  
 ggtaagaaac ctaggaccaa agcaccaaga ttcaanngtc ttggtactcc acgtgtcctg 480  
 cagcacaac cggcggtgta ttgctntnna aaaaccagcg taccttnggc cgngaacacc 540  
 cttanggccg aatttccagn ccacttggcn ggccgntnct aatgggaatc cancttcggg 600  
 acccannctt ggcggaatca tgggcatanc ttggttcctt gggtgaaaat ggtattccgt 660  
 tcaaaattcc nccaann 677

<210> 736  
 <211> 651  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (651)  
 <223> n = A,T,C or G

<400> 736  
 ggtactattg aagaactggc tccaaatcaa tatgtgatta gtggtggagt agctattctt 60  
 aattctacaa ccattgaaat ctcagagctt cccgtcagaa catggacca gacatacaaa 120  
 gaacaagtgc tagaaccat gttgaatggc accgagaaga cacctcctct cataacagac 180  
 tatagggaat accatacaga taccactgtg aaatttgttg tgaagatgac tgaagaaaaa 240  
 ctggcagagg cagagagagt tggactacac aaagtcttca aactccaaac tagtctcaca 300  
 tgcaactcta tgggtgctttt tgaccacgta ggctgtttta agaaatatga cacgggtgtg 360  
 gatattctaa gagacttttt tgaactcaga cttaaatatt atggattaag aaaagaatgg 420  
 ctctaggaa tgcttggtgc tgaatctgct aaactgaata atcaggctcg ctttatctta 480  
 gagaaaatag atggcaaaaat aatcattgga aataagccta agaaagaatt aattaaagg 540  
 ctgattcaga ngggatatga ttcggatcct gtgaaggcnt ggaaagaaac ccannaaang 600  
 gttcngatta agaaaaaaat naanaagagn gccancaaag gaacttgaaa n 651

<210> 737  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<400> 737  
 cgaggctactg tgtggccacc atgccatgtc tagagccagg ctcccgttgt tggccatgcc 60

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| ttgctttgag | gctttggctc | tgcacgagac  | gccgcagaga | acgtcttgat | gcctcgctcc | 120 |
| ccttatcctc | accacttcct | tcttaggggt  | ggaaatgctg | gatcaaaggg | tcttcacgtt | 180 |
| ttctgacttt | tccacgcatg | gggttagcct  | gtgctccgga | gacctgtga  | gcacacatgt | 240 |
| ccccagcgca | gcttgtgact | cctgcctctc  | tgaccccgcc | aggtggatta | caaagctgac | 300 |
| gagtggctga | tgaagaacat | ggatccccctg | aatgacaaca | tcgccacact | gctccaccag | 360 |
| tcctctgaca | agtttgtctc | ggagctgtgg  | aaggatggta | cctg       |            | 404 |

&lt;210&gt; 738

&lt;211&gt; 250

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 738

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| acatcaaaga | ttacatgaaa | tcaatcaaag | ggaaacttga | agaacagaga | ccagaaagag | 60  |
| taaaaccttt | tatgacaggg | gctgcagaac | aaatcaagca | catccttgct | aatttcaaaa | 120 |
| actaccagtt | ctttattggg | gaaaacatga | atccagatgg | catggttgct | ctattggact | 180 |
| accgtgagga | tggtgtgacc | ccatatatga | ttttctttaa | ggatggttta | gaaatggaaa | 240 |
| aaaaaaaaac |            |            |            |            |            | 250 |

&lt;210&gt; 739

&lt;211&gt; 582

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(582)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 739

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| acagtaagga | caaccccaac | ctgctgttca | acatgtgtgg | cttcgagtgc | cgcatectgc | 60  |
| ctaagtgccg | caccagctat | gaggagttca | cccacaagga | cggggctctg | aacctgcaga | 120 |
| atgaggttac | taaggagcgc | acagctcagt | gtttcctgcg | tgtggacgat | gagtcaatgc | 180 |
| agcgttcca  | caaccgcgtg | cgtcagattc | tcatggcctc | tgggtccacc | accttcacca | 240 |
| agattgtgaa | taagtggaa  | acagctctca | ttggccttat | gacatacttt | cgggaggctg | 300 |
| tggtgaacac | ccaagagctc | ttggacttac | tggtgaagtg | tgagaacaaa | atccagacac | 360 |
| gtatcaagat | tggactcaac | tccaagatgc | caagtcggtc | cccccggttg | tgttctacac | 420 |
| ccctaaggag | ttgggtggac | tcggcatgct | ctcaatgggc | catgtgctca | tnccccaatc | 480 |
| cgacctcagg | tgggtccaaa | cagacngatg | taggtatcac | acactttcgt | tcaggaatga | 540 |
| gccttgaaga | agaccactta | ttcccacttg | nacctcggcc | gg         |            | 582 |

&lt;210&gt; 740

&lt;211&gt; 576

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(576)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 740

|            |            |            |            |            |             |    |
|------------|------------|------------|------------|------------|-------------|----|
| ggtaggacac | cgaacccctg | attcagacag | caaaaaccac | gctgggctcc | aaagtgggtca | 60 |
|------------|------------|------------|------------|------------|-------------|----|

|            |             |            |            |             |             |     |
|------------|-------------|------------|------------|-------------|-------------|-----|
| acagttgtca | ccgacagatg  | gctgagattg | ctgtgaatgc | cgctcctcact | gtagcagata  | 120 |
| tggagcggag | agacgttgac  | tttgagctta | tcaaagtaga | aggcaaagtg  | ggcggcaggg  | 180 |
| tggaggacac | taaactgatt  | aagggcggtg | ttgtggacaa | ggatttcagt  | caccacacaga | 240 |
| tgccaaaaaa | agtgggaagat | gcgaagattg | caattctcac | atgtccattt  | gaaccaccca  | 300 |
| aacccaaaaa | aaagcataag  | ctggatgtga | cctctgtcga | agattataaa  | gcccttcaga  | 360 |
| aatacgaaaa | ggagaaattt  | gaagagatga | ttcaacaaat | taaagagact  | ggtgctaacc  | 420 |
| tacaatttgt | cagtggggct  | ttgatgatga | agcaaatac  | ttacttcttc  | agaacacttg  | 480 |
| ccttgcggtt | ccttggtagg  | aggacctgaa | attgagctga | ttgccatcgc  | aacaggangg  | 540 |
| cggatcgccc | cagttctcaa  | gctnacagcc | gagaan     |             |             | 576 |

<210> 741  
 <211> 579  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(579)  
 <223> n = A,T,C or G

|            |            |             |            |             |            |     |
|------------|------------|-------------|------------|-------------|------------|-----|
| <400> 741  |            |             |            |             |            |     |
| accttatctg | aaactcttgc | acttcccca   | ccagggcaga | aatgaggtgg  | gagaagtttg | 60  |
| actaaaatga | gggatggggg | aaagtaaaag  | atgttttttt | ttttttgaga  | ctcgctttgt | 120 |
| caccagggt  | ggagtgcaat | ggcacaatct  | caactcaccg | caacctccgc  | ctcccgggtt | 180 |
| caagcgattc | tcctgcctca | gcctcccagag | tagttgggat | tacaggcgcc  | tgctccatg  | 240 |
| cctggcta   | tttgtatttt | tagtagagac  | agggtttctt | catgttggtc  | aggctggtct | 300 |
| caaactecta | acctcgtgat | ccgcctgcct  | cgacctccca | aagtgcctggg | attacaggca | 360 |
| tgagccacca | tgcccagcca | aagatcattt  | ttttatatag | acttcacctt  | ttgtaaatac | 420 |
| tgtactgggg | gagtatagag | tagaaaaaaa  | gtttagttaa | aacatttggt  | tacaaattaa | 480 |
| cctttaaaaa | tntaattact | gctaaaaata  | gaaggctggt | ncccttaagg  | aaaattagn  | 540 |
| ccattttgga | aatganactt | gggccataaa  | tncaggtgg  |             |            | 579 |

<210> 742  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(578)  
 <223> n = A,T,C or G

|            |             |            |             |             |            |     |
|------------|-------------|------------|-------------|-------------|------------|-----|
| <400> 742  |             |            |             |             |            |     |
| ggtacttttg | gatgctttac  | taggtgtttt | ccattagaat  | tagaccttga  | ttttaaatcc | 60  |
| aagcaagctt | gaagcccctt  | ggcttacagc | atttgccctg  | tgaataactaa | acactcacat | 120 |
| ggcaagagtt | gctctggaga  | ggtagggcca | gaggaatgct  | gctgcactgc  | caactcaggg | 180 |
| acatgcttag | ctgtaaagg   | aagcgagggt | aagtcgtcct  | gcagcgtatt  | agagtaaaag | 240 |
| tctacccttc | tgaagcacta  | ttaagcgctt | aaccgtatat  | ttaaatacta  | ccatgtgcta | 300 |
| tctactgagg | aagattcatg  | ttcaattatt | tggaaataat  | gcaagcatcc  | actaaggggc | 360 |
| tttaagcttt | ctttgattat  | aattaagggt | catttttaagt | tntttttttt  | ctttcaacca | 420 |
| gtgtgccatc | tccaatatatt | ctatagtata | ccaaccaccc  | caggaatgca  | ctttaacaat | 480 |
| atcagggatt | tatataacca  | aatagtttca | aatccaacaa  | aattcccttt  | atgaactttc | 540 |
| gctttttaag | actactgatg  | ggtacctgcc | gggcggcc    |             |            | 578 |

<210> 743  
 <211> 592  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(592)  
 <223> n = A,T,C or G

<400> 743  
 ggtcttttaga aagttccatg attctgcata tactgtttga actgaatcat gatgtcttta 60  
 gaaagtatat gcagaatcag aatgttccgg gaaatattga gttaactgtg aatatacctga 120  
 caatgggcta ttggccgaca tatgtgccta tgggaagttca tttaccacca gagatggtaa 180  
 aacttcagga gattttcaag acattttacc taggcaaaca tagtggcagg aaacttcagt 240  
 ggcagtcaac cctaggacac tgtgtgttaa agcagaattt aaagagggta aaaaggaact 300  
 ccaggtctct ctttttcaaa cactgggtgct gctaattgtt aatgagggag aggagttcag 360  
 tttagaagag atcaagcagg caactggaat agaaggtagg agagttaagg agaacactgc 420  
 agtcattagc ctgggtggca aagctagagt tctggcgaaa aaatnccaan ggccaaagac 480  
 ctttgaanat ggtgacaagt tcanttngta atngatgatt caaaccttaa actttcagga 540  
 tnaaggatca atcaaatnca aaaaaaaaaa nnnaaaaaaaaa agcttggtcc ga 592

<210> 744  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(578)  
 <223> n = A,T,C or G

<400> 744  
 ggtaccaaac atagccctta ggcctgggct aggcctctcaa aggtctttcc cagaaatgga 60  
 ggcagcagta gcttcaaaca ggcacaaaaa cagccaggag gaggcagcat ccactccatg 120  
 aaggcctaag acaatgaaag gaagccagag caacagacca ccttgggatc cggggagaag 180  
 ggtaaatggg caaaagggtt gtatttcctg atgctctcag aacatcagac cacaccatgt 240  
 gaatttaagc aggactatth taagtgggga aacaatacta gaagcatttg gtgtattttc 300  
 ctggcactca cctcctaggt aagcaggaga gcgggacact caggagtgtg gactaaactc 360  
 aactttaagc tgccgtgtcca gaccgtcccc ttggctgaac acaacactga aattgtggca 420  
 gtgtctgttg cnccagtgga cctncactta ctaatgagta tgtaaaacag angagccaca 480  
 gtgaggcntt tcacaaaacc canggctctt gggggaaaaa cgggtttcca ccttctgnct 540  
 tttggtgctg gaaagtnctt gaggganaag aagtttgn 578

<210> 745  
 <211> 581  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(581)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 745

|             |             |            |            |            |            |     |
|-------------|-------------|------------|------------|------------|------------|-----|
| acagatcagg  | caactgtgga  | aaatctaaac | gaactgcgcc | aagatctgtc | aaaattccga | 60  |
| aatgaaataa  | gggattttacc | tggttttcgg | acttctaaat | atgctatgtt | ttatccaaga | 120 |
| aattaacccat | tttctaaatc  | atggagcgaa | taattttcaa | taacagatcc | aaaagactat | 180 |
| attgcataac  | ttgcaatgaa  | attaatgaga | tatatattga | aataaagaat | tatgtaaaag | 240 |
| ccattcttta  | aaatatattat | agcataaata | tatgttatgt | aaagtgtgta | tatagaatta | 300 |
| gtttttttaa  | ccttctgtta  | gtggcttttt | gcagaagcaa | aacagattaa | gtagatagat | 360 |
| tttgtagca   | tgctgcttg   | ttttcttact | tagtgcttta | aaatgttttt | ttttatgttt | 420 |
| aagaaggggc  | agttataaaa  | tggacacatt | gccccaaaag | gttttgaaa  | antggaagac | 480 |
| ccagcaaatg  | gtanggcttg  | acctccttca | caaggataca | cttggaata  | tagaaagtta | 540 |
| tgtttaaata  | tctctggttt  | aggagttcac | atatagttaa | g          |            | 581 |

&lt;210&gt; 746

&lt;211&gt; 506

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (506)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 746

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| ggtacaagct | tttttttttt  | tttttttttt | tttttttttt | taggtagtgg | gtgttgagct | 60  |
| tgaacgcttt | cttaattggg  | ggctgntttt | aggcctacta | tgggtgttaa | attttttact | 120 |
| ctctctacaa | ggntttttcc  | tantgtccaa | agagctgttc | ctntttggac | taacagttaa | 180 |
| atttacaagg | ggatttaaag  | ggttctgtgg | gcaaatttaa | agttgaacta | agattctatc | 240 |
| ttggacaacc | agctntcacc  | aggctcggta | ggtttgctgc | ctctacctat | aaatcttccc | 300 |
| actattttgc | tacatanacg  | ggtgtgctct | tttanctgtt | cttaggtanc | tcgtctgggt | 360 |
| tcgggggtct | tancctttggc | tctccttgca | aagttatttc | tagttaattc | attatgcana | 420 |
| aggnataggg | gttaagtcc   | tgctatatta | tgcttgggta | taattttcat | ctttnccttg | 480 |
| cggnacctgc | ccggccggcc  | gtttna     |            |            |            | 506 |

&lt;210&gt; 747

&lt;211&gt; 454

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 747

|             |            |            |             |            |             |     |
|-------------|------------|------------|-------------|------------|-------------|-----|
| ggtacttttg  | cttcaatgat | tggcaacttc | tacaggggcc  | agtcttttga | actggacaac  | 60  |
| cttacaagta  | tatgagtatt | atattatagg | agttgtttac  | atatgagtcg | ggaccaaaga  | 120 |
| gaactggatc  | cacgtgaagt | cctgtgtgtg | gctgggtccct | acctgggcag | tctcatttgc  | 180 |
| acccatagcc  | cccatctatg | gacaggtctg | gacagaggca  | gatgggttag | atcacacata  | 240 |
| acaatagggg  | ctatgtcata | tcccaagtga | acttgagccc  | tgtttgggct | caggagatag  | 300 |
| aagacaaaat  | ctgtctccca | cgtctgccat | ggcatcaagg  | gggaagagta | gatgggtgct  | 360 |
| gagaatgggtg | tgaaatgggt | gccatctcag | gagtagatgg  | cccggctcac | ttctgggtatc | 420 |
| tgtcacccctg | agcccatgag | ctgcctttta | gggt        |            |             | 454 |

&lt;210&gt; 748

&lt;211&gt; 569

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(569)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 748

|             |            |             |             |             |            |     |
|-------------|------------|-------------|-------------|-------------|------------|-----|
| ggtaccagct  | ggcacaggag | cagggggcat  | ggcacctctg  | ttgtttatgc  | ccatagcacc | 60  |
| tcccatagcc  | atctgaccca | tccgaatctc  | ctgctctctc  | gcatcagggg  | aggttccctt | 120 |
| gaatccttcc  | tgtctgcgcc | gcatcatttc  | ttcttgcctc  | cgccgcctct  | cttcttcacg | 180 |
| gcgcctgcgc  | tcttctctct | gcctgagctc  | cagttgcttt  | cgtttttgca  | cctcttggtt | 240 |
| gtgcagctct  | tccatcctcc | gaagtctctc  | ttgggcgcctc | atcaaatacct | gtctcattag | 300 |
| catgacctgg  | tgtctatggc | gtgcagcttc  | catctccatc  | tccagcttct  | cacgagcctc | 360 |
| cttgatgttg  | cggtccactt | ggctctgctg  | ctgcttctcc  | atctcaatga  | gtgccttnca | 420 |
| gcgcatggca  | tattcatact | caaagggaacc | aggctgtgca  | aatctgggtg  | gctgctctcg | 480 |
| ttccttgatga | aatgctggtt | ttataaccag  | cttcnttgga  | agccctcttc  | atcaatctaa | 540 |
| cctggtccat  | gggctccaca | gtcacaagg   |             |             |            | 569 |

&lt;210&gt; 749

&lt;211&gt; 428

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 749

|            |            |            |             |             |            |     |
|------------|------------|------------|-------------|-------------|------------|-----|
| acatggatat | tcccaaacca | ttccattaga | aaactgccct  | ccctgcacac  | acaacaaaaa | 60  |
| cagcgctatt | tcctacacct | attggactga | aagtgccttg  | aaatggaatg  | gttttagaat | 120 |
| atgaagaaga | acacaaacca | agtagctgtg | ggttgaacct  | ggacgtgagc  | tggctgcagg | 180 |
| gccgttgggt | agaaaaccag | catctcataa | acaggtcact  | ccactggatg  | gtttgtcact | 240 |
| ggatgggttg | ttgggggtgt | ggtcacaggc | gcaaaggaca  | tgcacacggc  | cacgctacgc | 300 |
| tactgtaacc | aagaggtgac | ttcagccatg | aataaggtga  | agaggttaca  | catctaccta | 360 |
| cggatataaa | taacatacaa | tgacttataa | agtgcactaca | tgcataatgag | caagcaaagt | 420 |
| acctcggc   |            |            |             |             |            | 428 |

&lt;210&gt; 750

&lt;211&gt; 569

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(569)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 750

|            |             |             |             |            |            |     |
|------------|-------------|-------------|-------------|------------|------------|-----|
| acctgccaga | attagcaaga  | gctttcttta  | agaagacatt  | tgtcaaactc | aacaaattga | 60  |
| aggttaacac | cttaagagtt  | gtagtactg   | accagaaata  | tggacagact | tcttagactt | 120 |
| ggaggaggta | tgcctggact  | gggccagggg  | ccacctacag  | atgctcctgc | agtggacaca | 180 |
| gcagaacaag | tctatatctc  | ttccctggca  | ctgttaaaaa  | tgttaaaaca | tggccgtgct | 240 |
| ggagttccaa | tgggaagttat | gggtttgatg  | cttggagaat  | ttgttgatga | ttataccgtc | 300 |
| agagtgattg | atgtgtttgc  | tatgccacag  | tcagggaacag | gtgtcagtg  | ggaggcagtt | 360 |
| gatccagtgt | tccaagctaa  | aatgttggat  | atgttgaagc  | agacaggaag | gccggagatg | 420 |
| ggtgttggtt | gggtatcaca  | gtcacccctgg | ctttggttgn  | tggctttctg | gtgtggatat | 480 |

caacactcag cagagctttg aagccttgtc gganagaact tgtggcaagt ggttgtggat 540  
 cccattcaga gtgtaaaagg aaaggttgt 569

<210> 751  
 <211> 568  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(568)  
 <223> n = A,T,C or G

<400> 751  
 acctgaagct caggaggaga tgaaagaagt agccaaacac ccaaagaatc ctgaggttgg 60  
 cttgaagcct gtgtggtata gtcccaaagt ttccattgaa ggtgctgatg cagagacttt 120  
 ttcggagggt gagatggtta cattataaaa ttggggcaac ctcaacatta caaaaataca 180  
 caaaaatgca gatggaaaaa tcatatctct tgatgcaaag ttgaatttgg aaaacaaaga 240  
 ctacaagaaa accactaagg tcacttggct tgcagagact acacatgctc ttcctattcc 300  
 agtaatctgt gtcacttatg agcacttgat cacaaagcca gtgctaggaa aagacgagga 360  
 ctttaagcag tatgtcaaca agaacagtna gcatgaagag ctaatgctag gggatccctg 420  
 ccttaaggat ttgaaaaaaa ggagatatta tacaacttca gagaagagga ttttcatatg 480  
 tgatcaacct tatgaacctg taacctatgt agttgcaagg aancccgtgt gtttgatata 540  
 cattcctgat ggcacacaaan gaaatgcc 568

<210> 752  
 <211> 312  
 <212> DNA  
 <213> Homo sapiens

<400> 752  
 accgccagg atgtcccttc cagccctggg atggactaga ggagcacagc caagccctga 60  
 gtgggagcct gcgggccatt ctccagaatc agggaaactg aaggatgggc ctcatgtctc 120  
 aaggaaggca gagacctggg ttgagcagca gaataaaaga tcttcttcca agaaatgcaa 180  
 acagaccgtt caccaccatc tccagctgct cacagacacc agcaaagcaa tgtgctcctg 240  
 atcaagtaga ttttttaaaa atcagagtca attaatTTTA attgaaaatt tctcttatgt 300  
 tccaagtgtgta cc 312

<210> 753  
 <211> 334  
 <212> DNA  
 <213> Homo sapiens

<400> 753  
 ggtacaagcg tctgcagcag actgtggcgg gcgaaggagc aggattccag ggcgctgttg 60  
 ggcttggtca cgaacgccag cagcaggggt gcaagggcct tggggaaata gtcctgctgc 120  
 accatgtggt tcagcgccat cagggggccg tacagtTTTT tcccacggga caaaaaatgc 180  
 ctaaggaagg gagaacataa taaaggggtt tctttctctc cctctttctt tcacattaag 240  
 acctacactt aaatatTTTt catagaaaac catcttctta attgtctttt gaatgaaatt 300  
 ctgacttggt gccacaagga ctaatacccg ccga 334

<210> 754  
 <211> 533



<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(533)  
<223> n = A,T,C or G

```

<400> 754
ggctgcgcgcc actgtccggc cacagcctaa cgctcttcgc tgtcgtttgc ggtctcgcgc      60
agggcgggccc cggttctggg gtttggcgtc ggaattaaac aaccaccatg tcgagcaaaa      120
aggcaaagac caagaccacc aagaagcgcc ctccagcgtc aacatccaat gtgtttgcca      180
tgtttgacca gtcacagatt caggagttca aagaggcctt caacatgatt gatcagaaca      240
gggatggctt catcgacaag gaagatttgc atgatatgct tgcttctcta gggaagaatc      300
ccactgatgc ataccttgat gccatgatga atgaggcccc agggcccatc aatttcacca      360
tgttcctgac catgtttggg gagaagttaa atggcacaga tcctgaagat gtatcagaaa      420
cgcctttgct tgctttgatg aagaagnaca ggcaccattc aggaagatac ctaagagact      480
gttgccacca tgggggggatc gggttacana ataagaagtg gatgantgtc ctg          533

```

<210> 755  
<211> 571  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(571)  
<223> n = A,T,C or G

```

<400> 755
ggtaccttat tagaaagcga cggcaaaacta tgtgccagca gccgcggtaa tacataggtc      60
gcaagcggtta tccggaatta ttgggcgtaa agcgctccgta gggtttttgc taagtctgga      120
gttaaagtct gaagctcaac ttcagtcgcg tttggatact ggcaaaatag aattataaag      180
aggttagcgg aatttcctagt gaagcgggtgg aatgcgtaga tattaggaag aacaccaata      240
ggcgaaggca gctaactggt tatatatgta cactaaggga cgaaagtgtg gggagcaaac      300
aggattagat accctggtag tccacgccgt aaacgatgat cattagttgg tggaataatt      360
tcactaacgc agctaacgcg tttaatgatc cgcctgagta gtatgctcgc angagtgaag      420
tttaaaggaa ttgacgggaa cccgnacaag cgggtggagca tgtggtttta tttngattct      480
acgcgtagaa ccttaccac tcttgacatc ttctgcaagc tatagagata tagtggaggt      540
tacagaatga cagatggtgc atggttgtcc g          571

```

<210> 756  
<211> 570  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(570)  
<223> n = A,T,C or G

```

<400> 756
gggtccactgg aaaggcaaca tgaccaggct gccccgcctc ctggttctgc ccaagttctc      60

```

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| cctggagact | gaagtcgacc | tcaggaagcc | cctagagAAC | ctgggaatga | ccgacatggt | 120 |
| cagacagttt | caggctgact | tcacgagtct | ttcagaccaa | gagcctctcc | acgtcgcgca | 180 |
| ggcgctgcag | aaagtgaaga | tcgaggtgaa | cgagagtggc | acggtggcct | cctcatccac | 240 |
| agctgtcata | gtctcagccc | gcatggcccc | cgaggagatc | atcatggaca | gacccttctt | 300 |
| ctttgtggtc | cggcacaacc | ccacaggaac | agtccttttc | atgggccaag | tgatggaacc | 360 |
| ctgaccctgg | ggaaagacgc | cttcatctgg | gacaaaactg | gagatgcac  | gggaaagaag | 420 |
| aaactccgaa | gaaaagaatt | ttagtgttaa | tgactctttc | tgaaggaaga | gaaacatttg | 480 |
| cctttgggta | aaagatggta | aaccagatct | ggcttccaag | acctngcctt | ttcttggagg | 540 |
| acctttaggt | caaactccct | agtttcacct |            |            |            | 570 |

&lt;210&gt; 757

&lt;211&gt; 578

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(578)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 757

|            |             |             |            |             |            |     |
|------------|-------------|-------------|------------|-------------|------------|-----|
| acaagctttt | tttttttttt  | tttttttttt  | tttttttttg | gagtaagaaa  | aggtggggat | 60  |
| taagaanacg | tttctggagg  | cttagggacc  | aaggctggct | tctttccccc  | ctcccaaccc | 120 |
| ccttgatccc | tttctctgat  | caggggaaaag | gagctgagtg | agggaggtag  | agttggaaag | 180 |
| ggaaggattc | cacttgacag  | antggcacan  | actcctccag | agtanagctt  | ggagggagat | 240 |
| tgaaagtgga | gataatactg  | ctgacacctc  | ccttgaagct | nagatgggaa  | atggacatac | 300 |
| ttagaaattt | agtgaactta  | atagcctgga  | tttccctntn | caaaaactttt | agaatggaaa | 360 |
| atcccatccc | cttccttata  | tagtgacttc  | taccacttac | cttctaccat  | tttctacttt | 420 |
| gggcttatga | tgatggccat  | tatctacatg  | ngtttttagn | accctgggtt  | ggttctaaan | 480 |
| ggggatcttg | gaaccnagn   | ttnttgggag  | atttttaaga | aggaagtttt  | aactgaacaa | 540 |
| atggaatggg | cncacagaaag | aaatccaggg  | tnncccnng  |             |            | 578 |

&lt;210&gt; 758

&lt;211&gt; 567

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(567)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 758

|            |             |            |             |            |             |     |
|------------|-------------|------------|-------------|------------|-------------|-----|
| ggtacgagat | tgaaagggttg | agggttctac | tgcaggaaga  | aggcaccg   | aagagagaat  | 60  |
| atgaaaatga | gctggcaaaag | gtaagaaacc | actataatga  | ggagatgagt | aattttaagga | 120 |
| acaagtatga | aacagagatt  | aacattacga | agaccacccat | caaggagata | tccatgcaaa  | 180 |
| aagaggatga | ttccaaaaat  | cttagaaacc | agcttgatag  | actttcaagg | gaaaatcgag  | 240 |
| atctgaagga | tgaaattgtc  | aggctcaatg | acagcatctt  | gcaggccact | gagcagcgaa  | 300 |
| ggcgagctga | agaaaacgcc  | cttcagcaaa | aggcctgtgg  | ctctgagata | atgcagaaga  | 360 |
| agcagcatct | ggagatagaa  | ctgaagcagg | tcatgcagna  | gcgctctgag | gacaatgccc  | 420 |
| ggcacaagca | gtccctggag  | gaggctgcca | agaccattca  | ggacaaaaat | aaggagatcg  | 480 |
| agagactcaa | agctgagttc  | aggaggaggc | caaccccggt  | gggaatatga | aaatgactga  | 540 |
| taaggtagaa | acattatgat  | gaggagg    |             |            |             | 567 |

<210> 759  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens

<400> 759  
 ggtcaccgac ctctctcccc agctgtatatt ccaaaatgtc gctttctaac aagctgacgc 60  
 tggacaagct ggacggtaaa ggggaagcggg tcgttatgag agtcgacttc aatgttccta 120  
 tgaagaacaa ccagataaca aacaaccaga ggattaaggc tgctgtccca agcatcaaat 180  
 tctgcttgga caatggagcc aagtcggtag tccttatgag ccacctaggc cggcctgatg 240  
 gtgtgccccat gcctgacaag tacctg 266

<210> 760  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<400> 760  
 ggtacactag aaagtctttt acaaaataat catcttagat caacagaaga ccaatcttca 60  
 atgtcgtcct gcaagatggg ttactttaac atctcctcct gttttctcca atgttctcct 120  
 ttagtatggc tggtaattgt tttgggtgatt gccaccccct cgagatgcct tgccataagt 180  
 gctctgttgg ccactgtagt ctgcatatcc ctgtccatat ccatagttcc catagttata 240  
 cccagtataa tcatatccgc catagccact atagttttga tcaccaccat aggcaactatt 300  
 gtaatttcca tatecttgat cataatagtt attaaatcct tggttccagt tttggccctg 360  
 acctcggcca cgacccctcg t 381

<210> 761  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 761  
 actcagctcc aattatctaa tattcttgaa aggatgctga tattgtttgg ttgtgtcccc 60  
 ccacaaatct caacttgaat tgtatctccc agaattccca cgtgttgtgg gacagaccca 120  
 gggggaggta attgaatcat gggggccagt ctttcccggt ctattctcgt gacagtgaat 180  
 aagtctcatg agatctgatc agtttatcag ggggttctgc ttttgcttct tcctcatttt 240  
 ttcttgccac aatgtaagaa gtgtcttttg cctcccacca tgattctgag gcctccccag 300  
 ccatgtggaa ctttaagtcc aattaaacca ctttttcttc ccagtctcgg gtatgtcttt 360  
 atcagcagcg tgaaaacgga ctaatacagt aaattggtac c 401

<210> 762  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(610)  
 <223> n = A,T,C or G

<400> 762  
 acgcttggtg atttcatcct cataacttggt cttgaagtct tccaccaggt cctgcatggt 60

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| tcttagctct | gagtcacaggc | ggccccgttc | ccccacgatg | ctgtccagct | gcctcctgag | 120 |
| gttggtgatg | tacagtaaaa  | acacatctaa | catctttgaa | gaccaaattt | cctgctgaac | 180 |
| agtattacag | atttcatgag  | cactggaggt | ttgtgttgca | gcgcttggtc | ttcttggcag | 240 |
| catttggtgt | gtatttggaa  | acagaaacac | tagtgactcg | agaagcagtt | acagaaattc | 300 |
| ttggcattga | gccagatcgg  | gagaaaggat | ttcatctgga | tgtagaagat | tatctctcag | 360 |
| gagttctaat | tcttgccagt  | gaactgtcga | ggctgtctgt | caacagcgtg | actgctggag | 420 |
| actactcccc | acccctccac  | atctccacct | tcataaatga | gctggattcc | ggttttcgcc | 480 |
| ttctcaacct | gaaaaatgac  | tccctgagga | agcgctacga | cggattgaaa | tatgacgtga | 540 |
| agaaagtaga | aggaagtggg  | ctatgatctc | tncatccggg | ctttaataag | gagacggcag | 600 |
| cagcttgtn  |             |            |            |            |            | 610 |

<210> 763  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(578)  
 <223> n = A,T,C or G

|            |             |             |            |             |            |     |
|------------|-------------|-------------|------------|-------------|------------|-----|
| <400> 763  |             |             |            |             |            |     |
| cgaggtaacc | tgaagaactt  | ccctaattgcc | atcgagcaca | ccctgcagtg  | ggctcgggat | 60  |
| gagtttgaag | gcctcttcaa  | gcagccagca  | gaaaatgtca | accagtacgg  | atgctacttg | 120 |
| tccaatgatg | gtaaaagggt  | agcttactgg  | ttgtcctccg | attcagggtta | gaatgaggag | 180 |
| gtctgcggct | aggagtcaat  | aaagtgattg  | gcttagtggg | cgaaatatta  | tgctttggtg | 240 |
| tttggatata | tggaggatgg  | ggattattgc  | taggatgagg | atggatagta  | atagggcaag | 300 |
| gacgcctect | agtttggttag | ggacggatcg  | gagaattgtg | taggcgaata  | ggaaatatca | 360 |
| ttcgggcttg | atgtggggag  | gggtgtttaa  | ggggttggct | aggggtataat | tgtctgggtc | 420 |
| gcctangagg | tctgggtgaga | atagtgttaa  | tgtcattaag | gagagaagga  | agaagaagta | 480 |
| agccnagggc | gtctttgatt  | gtgtantaag  | ggtggaagg  | gattttatcg  | gaatgggaag | 540 |
| tgattcctaa | ggggttgggt  | gatcccggtc  | tgcaanan   |             |            | 578 |

<210> 764  
 <211> 500  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |            |             |             |     |
|------------|------------|------------|------------|-------------|-------------|-----|
| <400> 764  |            |            |            |             |             |     |
| actatataac | agttggcaca | acccacccca | caacagaaga | gaacacattt  | ttctcaagca  | 60  |
| tatgtggaat | agtttccagg | agaaaccatg | tgttaggcca | caaaacaaat  | cttaatgaaa  | 120 |
| tgtaaaagac | tgaaacacaa | agtacagcat | cactcggatt | ctgtgtccaa  | tgcccttagc  | 180 |
| aggaagattg | cttcggaatt | tggcacgaac | catgccactg | tttccatggg  | cccaggttac  | 240 |
| ttttccccag | atgactctgg | ttttgtttgg | tttgccgcca | ggagtgaactg | tggtgttctt  | 300 |
| tgttttatat | acataagcgc | atctcttgcc | caaatagaat | tctgtttcat  | cttcggggccg | 360 |
| taaacacctt | caattttaag | aagagctgtg | tgctcccttt | ggttccggag  | accccgctta  | 420 |
| tagccagcaa | aaatggcctt | ggaccacaag | cctttcagac | atagttcctt  | tagaagtcgg  | 480 |
| acttcggccg | gcgaccacgc |            |            |             |             | 500 |

<210> 765  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(578)  
 <223> n = A,T,C or G

<400> 765  
 ttccagagca tattgatgag agaaggatct gcaatgctgt ttctccagac aaggatgttg 60  
 atggcctttca tgtaattaat gtaggacgaa tgtgtttgga tcagtattcc atgttaccgg 120  
 ctactccatg ggggtgtgtgg gaaataatca agcgaactgg cattccaacc ctagggaaga 180  
 atgtggttgt ggctggaagg tcaaaaaacg ttggaatgcc cattgcaatg ttactgcaca 240  
 cagatggggc gcatgaacgt cccggagggtg atgccactgt tacaatatct catcgatata 300  
 ctcccaaaga gcagttgaag aaacatacaa ttcttgacga tattgtaata tctgctgcag 360  
 gtattccaaa tctgatacaca gcagatatga tcaaggaaagg agcacagtca ttgatgtggg 420  
 gaataaatag agttcacgat cctgtaactg tcaaacccaa gttggttggg gatgtgggat 480  
 tttgaaggag tcagacaaaa agctgggtat atcactccag ttcttgggan gtgtttggcc 540  
 ccattgacagt ggcaatgcta atgaagaata ccattntt 578

<210> 766  
 <211> 569  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(569)  
 <223> n = A,T,C or G

<400> 766  
 actgtattta tattgtttat attatatttag taatgtaatg ttttgcttcc aaagattgcc 60  
 ttgcctttac attttgtgca aaaatagcag ctatacatta atgacataat aagtatgtct 120  
 agtattattt aagtgcctat tcatattttc tcatcaaagc tttttatgaa tgattataat 180  
 gcattttcta taaaatatta ttgctttcac tgtataccag tgattcaaac tttattgtct 240  
 tcaacagcaa tgacatgaaa tcaactctagt tgcccatcag tgggtggattg gataaagaat 300  
 atgtgggtact atgtgactat cattgatgcc ccaggacaca gagactttat caaaaacatg 360  
 attacagggg acatctcaag ctgactgtgc tgtcctgatt gttgctgctg gtgttggtga 420  
 atttgaagct ggtatctcca agaatgggca gaccgaaag catgcccttc tggcttacac 480  
 ctgggtgtga aacaaccta tggccggggg taccaaaatg ggattccact ggaccaccta 540  
 cagccagaag agatntgaag gaaattntt 569

<210> 767  
 <211> 580  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(580)  
 <223> n = A,T,C or G

<400> 767  
 acgaagctac ccaggagat ctgaatgatg ctaaaaataa acagaaattt gtttttaaagg 60  
 tccaaaagcc tgccaacccc tgggaattct acattgggac ccagttgatg gaaagactaa 120

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| agccatctat | gcagcacatg | tttatgaagt | tctattctgc  | ccacttattc | cagaatggca | 180 |
| gtgtattagt | aggagagctc | tacagctatg | gaacattatt  | aaatgccatt | aacctctata | 240 |
| aaaatacccc | tgaaaaagt  | atgcctcaag | gtcttgatcat | ctcttttgct | atgagaatgc | 300 |
| tttacatgat | tgagcaagt  | catgactgtg | aaatcattca  | tggagacatt | aaaccagaca | 360 |
| atttcatact | tggaaacgga | tttttggaa  | aggatgatga  | agatgattta | tctgctggct | 420 |
| tggcactgat | tgacctgggt | canagtatat | atatgaaact  | tttccaaaa  | ggaactatat | 480 |
| tcacagcaaa | gtgtgaaaca | tctgggnttt | caatgggtgt  | gaaaatgctc | ancaacaaac | 540 |
| catgggaact | accagaatcg | attactttgg | ggttgctgca  |            |            | 580 |

&lt;210&gt; 768

&lt;211&gt; 355

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 768

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| ggcaggtacc | ctatggccta | tgttgactat | aagactgtgc  | tgcagattga | tgataatgtg | 60  |
| acgtcagccg | tagaaggcat | caacagaatg | accagagctc  | tcatggactc | gcttgggcct | 120 |
| gagtggcgcc | tgaagctgcc | ctcaatcccc | ttgggtgcctg | tttcagctca | gaagaggtgg | 180 |
| aattccttgc | cttcggagaa | ccacaaagag | atgggctaaaa | gcaaatccaa | agaaaccaca | 240 |
| gctacaaaga | acagagtgcc | ttctgctggg | gatgtggaga  | aagccagagt | tctgaaggaa | 300 |
| gaaggcaatg | agcttgtaaa | gaagggaaac | cataagaaa   | ctattgagaa | gtacc      | 355 |

&lt;210&gt; 769

&lt;211&gt; 611

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(611)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 769

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| cgaggtacca | cgatcctgat | gatgaaccag | tggccgatcc | ttatgatcag | tcctttgaaa  | 60  |
| gcagggacct | ccttatagat | gagtggaaaa | gcctgacctc | tgatgaagtc | atcagctttg  | 120 |
| tgccaccacc | ccttgaccaa | gaagagatgg | agtcctgagc | acctggtttc | tgttctgttg  | 180 |
| atcccacttc | actgtgaggg | gaaggccttt | tcacgggaac | tctccaaata | ttattcaagt  | 240 |
| gcctcttggt | gcagagattt | cctccatggg | ggaagggggg | gtgccgtgcg | tgtgctgccc  | 300 |
| gtgttagtgt | gtgtgcatgt | gtgtgtctgt | ctttgtggga | gggtaagaca | atatgaacaa  | 360 |
| actatgatca | cagtgacttt | acaggaggtt | gtggatgctc | cagggcancc | ttcacccttg  | 420 |
| ctcttctttc | tgagaagttg | gcttaaggca | gaccaaganc | tgctggccct | tttaagggaat | 480 |
| atgttcaatg | ccaaaggtaa | aaaaattntg | aaattgggtc | ccaaatnccc | gggcattgcc  | 540 |
| tttcgccact | ttnggcttct | tcctggngan | ccccaccttt | gaccggtggg | ggccgtanac  | 600 |
| nttgacaacn | n          |            |            |            |             | 611 |

&lt;210&gt; 770

&lt;211&gt; 508

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(508)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 770

|            |            |            |            |             |             |     |
|------------|------------|------------|------------|-------------|-------------|-----|
| ggacaaaacc | agctgaagat | gaaagtgtgg | agaccaggt  | gaatgacagc  | atcagtgtctg | 60  |
| agacagcaga | gcagatggat | gtagatcagc | aggagcacag | tgctgaagag  | ggttctgttt  | 120 |
| gtgatcccc  | acccgctacc | aaagctgact | ctgtggacgt | tgaagtgagg  | gtgccagaaa  | 180 |
| accatgcac  | taaagttgaa | ggtgataata | ccaaagaaag | agacttggat  | agagccagt   | 240 |
| agaaggtgga | acctagagat | gaagatttgg | tggtagctca | gcaaataaat  | gccccaaaggc | 300 |
| ccgagcccca | gtcagacaat | gattccagt  | ccacgtgcag | cgctgatgag  | gatgtggatg  | 360 |
| gagagccaga | gaggcagaga | atgtttccta | tggactcaaa | gcctttactg  | ntaaacccca  | 420 |
| ctggatctat | actcgnctca | tcttcggtgn | aaacccaatt | cncctgggatc | tggcccaant  | 480 |
| tnancattna | ncttgggnta | ttncnnc    |            |             |             | 508 |

&lt;210&gt; 771

&lt;211&gt; 587

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(587)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 771

|            |             |            |             |             |             |     |
|------------|-------------|------------|-------------|-------------|-------------|-----|
| acttgttttg | ggaatatatg  | agagaagaaa | ctgctgagca  | ggtcagttaa  | gaacagtcca  | 60  |
| tttcagctgc | aggacagttc  | tctttcccg  | gacaagccta  | catagcctcc  | aagggagcca  | 120 |
| aactatccct | tccatgcaac  | aagacacctt | gcatggatac  | tctagccatg  | acttgctttt  | 180 |
| ggacaaaaat | caactgctaa  | cgtttttcat | ctctaataatc | attaacacca  | tggagaaaaa  | 240 |
| agaaaaaaat | tcaaccctag  | aaaacttgac | aacgagaata  | agaaaaatcca | caaggaaaagg | 300 |
| tcatgctaaa | actgatttga  | cagttgttcc | atcaccgcct  | accacatggg  | cttgagactg  | 360 |
| gtgacttcat | ggatgcattc  | cttcgatgcc | ctgccaaatg  | tcagcttcaa  | gtctgtcagt  | 420 |
| gacccagtg  | tgatgtgcc   | tgccttctat | tcaccaactn  | ctattcaaga  | gatccaaggg  | 480 |
| ggccttgggc | cgtggtaagc  | acanggacac | ncaggtgcc   | agaagcccca  | gnaacccttt  | 540 |
| tagaaaactt | tgnccctggga | tttgggcccc | ggnaaccaac  | cngtgggn    |             | 587 |

&lt;210&gt; 772

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(577)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 772

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| ggtacactgc | aggagagtgc | ctggcaaaaa | gatcaaatgg  | ggctgggact | tctcattggc | 60  |
| caacctgcct | ttccccagaa | ggagtgattt | ttctatcggc  | acaaaagcac | tatatggact | 120 |
| ggtaatggtt | acaggttcag | agattaccca | gtgaggcctt  | atcctccct  | ttcccccaaa | 180 |
| actgacacct | ttgttagcca | cctccccacc | cacatacatt  | tctgccagt  | ttcacaatga | 240 |
| cactcagcgg | ccatgtcttg | acatgagtgc | ccaggggaata | tgcccaagct | atgccttgct | 300 |
| ctcttgctct | gtttgcattt | cactgggagc | ttgcactatg  | cagctccagt | ttcctgcagt | 360 |
| gatcagggtc | ctgcaagcag | tggggaaggg | ggccaaggta  | ttggaggact | ccctccagct | 420 |

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ttggaagcct | catccgcgtg | tgtgtgtgtg | tatgtgtaga | caagctcttn | gctctgtcac | 480 |
| ccaagctgga | attgcantgg | tgcaatcatg | gttcacttgc | agtcttgacc | ttttggctca | 540 |
| agtgatecct | ccacctnacc | tcttgagtac | tgggacc    |            |            | 577 |

<210> 773  
 <211> 580  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(580)  
 <223> n = A,T,C or G

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 773  |            |            |            |            |            |     |
| ggtaccacct | cctgttccta | caaaaccaa  | acagattaat | ttgccttatt | ttggacaaac | 60  |
| taatcagcca | ccttcagaca | ttaagccaga | cggaggttct | cagcagttgt | caacagttgt | 120 |
| tccgtccatg | ggaactaaac | caaaaccagc | agggcagcag | ccgagagtgc | tgctatctcc | 180 |
| cagcatacct | tcggttgccc | aagaccagac | cctttctcca | ggttctaagc | aagaaagtcc | 240 |
| acctgctgct | gccgtccggc | cctttactcc | ccagccttcc | aaagacacct | tacttccacc | 300 |
| cttcagaaaa | ccccagaccg | tggcagcaag | ttcaatata  | tccatgtata | cgcaacagca | 360 |
| ggcgccagga | aaaaacttca | gcaggctgtg | cagagcgctg | tgaccaagac | tcataccaga | 420 |
| gggccacact | tttcaagtgt | atatggtaag | cctgtaattg | ctgntgncca | aaatcaacag | 480 |
| cagcacccag | agacatttat | tcaatagcca | gggcaagcct | ggcagtcaga | acctgaacag | 540 |
| acctgttctt | tagttcagga | gaaccntgaa | acnaaagaat |            |            | 580 |

<210> 774  
 <211> 680  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(680)  
 <223> n = A,T,C or G

|            |            |             |             |            |             |     |
|------------|------------|-------------|-------------|------------|-------------|-----|
| <400> 774  |            |             |             |            |             |     |
| ggtacctggc | catgggcttc | cctcccacac  | ctgccaggac  | acagcctgca | ggtcagggggg | 60  |
| ctaaactggg | gagttttctc | caaagtggg   | aaaggatggg  | aagagtaggt | gggaatgggg  | 120 |
| aagttacaca | gctacagcag | tcaggcctgt  | ttagtaagaa  | gaatcacatt | taatgagttt  | 180 |
| ctttcttgca | gtttcagatg | ctcaagtaca  | agtaagttat  | atgacaacga | taacacacag  | 240 |
| gaggaaagcc | acggaagcac | actgttgtga  | agttctcatg  | ctctacgtga | agtgttatct  | 300 |
| tttttttcta | agtgcagca  | agtttattaa  | gaaagtaaag  | gaataaaagg | aatggctatt  | 360 |
| tcattggcag | agcaccaata | aaatcatctg  | aaggngagatt | gtgatgagtt | aaangcgtat  | 420 |
| atgataaacc | tgaagaccaa | cnagaaanta  | gccccacngag | atntagtggg | ttaagttaac  | 480 |
| caagggaatt | aacttgaatc | attaaaaaatt | cttaatctgg  | gggaaccttt | naanaanggg  | 540 |
| agcttaccct | ttggggcaat | ttnaaacena  | aagccagggt  | gattgaattt | aagcttacct  | 600 |
| tttttcaata | atccctttta | aannaanggt  | ttnaaccttt  | cncttaaang | gcnnnanttt  | 660 |
| tcnaattgga | ntttaagccg |             |             |            |             | 680 |

<210> 775  
 <211> 658  
 <212> DNA



<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(658)

<223> n = A,T,C or G

<400> 775

|            |            |             |            |             |             |     |
|------------|------------|-------------|------------|-------------|-------------|-----|
| ggtacctgtg | ccagatgaaa | ggtttgactt  | tctttgtcaa | taccacaaac  | cagcaagcaa  | 60  |
| aattcctgcc | tttctaaatg | tggtggatat  | tgctggcctt | gtgaaaggag  | ctcacaatgg  | 120 |
| gcagggcctg | gggaatgctt | ttttatctca  | tattagtgcc | tgtgatggca  | tctttcatct  | 180 |
| aacacgtgct | tttgaagatg | atgatcacac  | gcacgttgaa | ggaagtgtag  | atcctattcg  | 240 |
| agatatagaa | ataatacatg | aagagcttca  | gcttaaagat | gaggaaatga  | ttggggcccat | 300 |
| tatagataaa | ctagaaaagg | tggtctgtgag | aggaggagat | aaaaaaactaa | aacctgaata  | 360 |
| tgatataatg | tgcaaagtaa | aatcctgggt  | tatagatcaa | aaagaaacct  | ggtcgcttct  | 420 |
| atcatgattg | gaatgaccaa | gagattgaag  | tggtgaataa | acccttaatt  | ttgactcnaa  | 480 |
| anccatggnc | tacttggtna | acnttctgaa  | aaagcttcnt | ttgaaggaaa  | ccaanggtga  | 540 |
| taaaattaag | aaggggtggc | cagtttancc  | agggccttgg | catcctttaa  | gggggcttgg  | 600 |
| accttaagtt | ccanaattga | tcttanggna  | anccaagttt | tggaaccacc  | tgncccaa    | 658 |

<210> 776

<211> 659

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(659)

<223> n = A,T,C or G

<400> 776

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggtactttac | ggcctgatct | aattgaaagt | gcatcccttg | ttgcaagtgg | caaagctgaa | 60  |
| ctcatcaaaa | cccatcacaa | tgacacagag | ctcatcagaa | ggttgagaga | ggagggaaaa | 120 |
| gtaatagaac | ctctgaaaga | ttttcataaa | gatgaagtga | gaattttggg | cagagaactt | 180 |
| ggacttccag | aagagttagt | ttccaggcat | ccatttccag | gtcctggcct | ggcaatcaga | 240 |
| gtaatatgtg | ctgaagaacc | ttatatattg | aaggactttc | ctgaaaccaa | caatattttg | 300 |
| aaaatagtag | ctgatttttc | ttgcaagtgt | taaaaagcca | cataccctat | tcagagagtc | 360 |
| aaagcctgca | caacagaaga | ggatcaggag | aagctgatgc | caaataccag | tctgcattcc | 420 |
| tgaatgcctt | cttgctgcca | attaaaactt | naggtgtnc  | nggtgaactg | gnngtnctac | 480 |
| cgntnccngn | ngnggaatnt | caggnaaaga | tgaaccctgc | tgggnaatcn | cttattttcn | 540 |
| ggntangnnt | aaaccttnga | tggggccaac | cttaccnggt | ggttattttt | tggnccccn  | 600 |
| ntaaagaacc | tcntnaaang | tncccnttt  | ttganacggg | ggnttaaacc | tncccgggg  | 659 |

<210> 777

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(728)

<223> n = A,T,C or G

```

<400> 777
acttcttgca tgttgctcaca tgttgctgtg agaatcaggt gctgcctata tggctccact      60
gggagagggc agatggaagc cgtcgctca tctgtcgtgg aacgtgtgct gtgcacctcc      120
tccctttgct gatcttaatc tctgtccttt tactgtaata aactgtaact gtgagcctaa      180
cagctttcct gagtctagtg agtccttcta gcaaatgaaa ggagggtggt cttggagacc      240
tatgaacttg cacctgcccc cgtcgttttg agggctctggc acaggggagg gaagggctgg      300
gcctcttttg gaaggggggc ttcaatccat ttgggggtcg ggggtccaaac ttcttggang      360
ggcccaacgt tccttgcccc gcttccaagn ctcttcttcc cttcttaagt ccccgancct      420
tgcaaccttt gggccccctnt ggcttgtgga atcctgggaa aaaacttngt ctttttnttt      480
ancacttgaa tnnngaanaac tggccatta actnaagccc ttgcatnnct tngactnctt      540
nnatgggcaa ccttnaaggg attcccaagg gncctctggg tttanggaaa taatgggggg      600
aaaatttttt nggaanttna anaataancc cccccaaaaa ncgggggganc cttngggccc      660
gnaaccccc ttaaggggccn aaattccngn canatntggg ggggcccgtt ctaaggggat      720
cccaaccc

```

&lt;210&gt; 778

&lt;211&gt; 603

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(603)

&lt;223&gt; n = A,T,C or G

```

<400> 778
caggtaacact gctgccactg ttgtgtcctc gctctgcttg ctgttgccctc acgccaggcc      60
ccgtcctgcc gtgacaccct tcatccctacc cttggaaccc caaggccaag ttggttcaaa      120
ctgttggaga acagagttgg cctgcatctg gaacacactt gtcctcagct taccatctcc      180
tcacacccca gagtggaaaag gtgaacacct gcagctgagg cttggaaaacg tttcttgtgt      240
tgccctgaaa aatcttttag acctcagggg ggctctgtct ctcttaaaaag gtggagaaaag      300
atgccattct ctccctaagg tctgggtggag tctcccatc ttgcataccc ttctgcaagc      360
catctatctc tgctcactct ccaattgacc cgcctgggaa caagggatga aggaggaagt      420
tgggggcttg ggggaatcct gccagttggt gaancctgtg gcangaagga tatgtgacnt      480
agagatcctg atctttntn anccctgctgt tgggttgctt gnatatatgg atggtgactg      540
tttgnaaagn ggagtataag atgccntgct gatngngta tgctatgctn ttangatgga      600
ctg

```

&lt;210&gt; 779

&lt;211&gt; 654

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(654)

&lt;223&gt; n = A,T,C or G

```

<400> 779
cgagggttttt tttttttttt tttccagtta gtgatgtcgt atttcaaaat aggtcgaaac      60
ttcagagaaa tgaaaatcgg gatatcagtg aagttattgc tctcgggtgt cctaatectc      120
ggacttccaa tgaagttcag tatgaccaa ggctnttcaa ccaatccaag ggtatggaca      180
gtggatttgc aggtggagaa gatgaaattt ataatgttta tgatcaagcc tggagaggtg      240

```

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| gtaaagatat | ggcccagagt | atttataggc | ccagtaaaaa | tntggacaag  | gacatgtatg | 300 |
| gtgatgacct | agaagccaga | ataaagacca | acagatttgt | tcccagacaag | gagttttctg | 360 |
| gttcaaaccg | taaacngaga | ggccgagaag | gaccagtgca | gtttgaggaa  | aatccttttg | 420 |
| gtttggacaa | gtttttggaa | aaaacccaac | ngcatggngg | ctntaaaaga  | cccttagata | 480 |
| ccaccgcgnc | aaggacnnag | cctgaagcca | gaaaaggngg | aaggattggc  | caggttttcc | 540 |
| aangaatga  | ctttanccta | acctaangag | ccagnttngg | ggacccttnt  | aaagggccgg | 600 |
| taaaaccnat | ttggggccca | nncnccttn  | ttttttctg  | gaaanggggg  | gtta       | 654 |

&lt;210&gt; 780

&lt;211&gt; 570

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(570)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 780

|            |            |            |            |             |            |     |
|------------|------------|------------|------------|-------------|------------|-----|
| acagtgggca | caaaacctgt | gcagagtccg | cagaagaggc | caataacca   | gacacccagg | 60  |
| atcagcattt | caaccgactt | agctacttta | cacagtccca | taaagcagcc  | accagtgcga | 120 |
| gccaacaggt | tgacaatcag | cattgaattg | cgctgccaa  | agcggttgac  | gaagagtccg | 180 |
| acggaaaagg | agccgatcat | acccngacg  | gaaaatatgg | ccacagacaa  | ggaccagaga | 240 |
| gacgtgagca | gcacctcaga | gggtggggca | tttcccttgc | cgtcaaagtt  | ttattgataa | 300 |
| attcctttat | gatctttctc | ggagcattga | tgaccccagt | ggttgtaacc  | naattggaaa | 360 |
| gaaccgattg | nagccactgg | tgatggccaa | tatcaaanc  | gggggtgacct | tctggggccc | 420 |
| catcgctgga | atctaattca | agtctttaag | aaagatctan | gggtgatttc  | agaaacnagn | 480 |
| ttttnaggcc | acaaaccttt | aaanggcctt | ttaacagcaa | ggtttnttcc  | cgtcttagga | 540 |
| aggatncaaa | nccnttggcc | ggaaccnctt |            |             |            | 570 |

&lt;210&gt; 781

&lt;211&gt; 664

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(664)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 781

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| acccaaagtt | ctctggggag | ggccagggaa  | gaggctgggt | gtcaaacc   | acagattttt | 60  |
| atttgagtc  | gtcactgggg | ccgtttcttg  | ctgcttattt | gtctgctagc | ctgctcttcc | 120 |
| agctgcatgg | ccaggcgcaa | ggccttgatg  | acatctcgca | gggctgagaa | atgcttggct | 180 |
| tgctgggcca | gagcagattc | cgctttgttc  | acaaagggtc | ccaggtcata | gtctggctgc | 240 |
| tcgggtcatc | cagagagctc | aagccaagtc  | tggtccttgc | tgtatgatct | ccttgagctc | 300 |
| ttccatagcc | ttctcctcca | gcttcctgat  | ctgaagtc   | ggctttcgtt | aaaactggac | 360 |
| atctgggaaa | gacagtcctt | ctctttcttg  | gataaattgg | cctggaatca | ncgccccggg | 420 |
| aaaacaagct | ttcatctttc | tggttccant  | ttnattaact | ggttttcact | nggnccactg | 480 |
| ngggggctta | ncttcttgac | ctggctggna  | aatttaagg  | ggttnaagnt | tntnccccg  | 540 |
| acctattncn | tggnnaaaac | cnggggaatna | tgcnagnctt | aaaattttnc | ccaangaagg | 600 |
| agtccttaan | accnggntaa | nttggnttta  | cggaaacngg | tggnnacctt | gttttnccag | 660 |
| gncc       |            |             |            |            |            | 664 |

<210> 782  
 <211> 669  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(669)  
 <223> n = A,T,C or G

<400> 782  
 cagggtacaag cttttttttt tttttttttt tttttggaat agaatacaac tttattttca 60  
 gtcattttcta tttccttggg tatgaacaaa ggtagcaaaag tgcagttgta tcagcagtg 120  
 caatagaaat tacagagttt ttcatatccc tttacagttt gccacaggta tcttaaaata 180  
 ttgntttacac tcatctctct tcagttttacc attgtttaat aggcctaccc tcgatctttt 240  
 tattcaatat gttaataaaag aaacctatac acatagtatc accgttatca ttttaaaaaat 300  
 attttgacac tgnatataaa tataactagc ttacttttga atcctaccta ttttaaatgg 360  
 gnatgaaaat attattctga aattagccng gcntggnggt gcatgcctan aggcccagct 420  
 acttggaag ctttaagggg aaggatccct gaacccaagg ganggccang nttcngggan 480  
 ctnggatgnn caatggcttc ancctnggna atngaattggg ancccttttt aaaggaaagg 540  
 aaanggaaat ttggattttg gnaacngann cctggnccaa aaaagggcaa aanccctgct 600  
 ggaanggcc tntggacctt aaatgccccn nccaaangng gnnattncca ttttaannngn 660  
 ccncaggg 669

<210> 783  
 <211> 735  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(735)  
 <223> n = A,T,C or G

<400> 783  
 acacagaagc agtgaaggac tgcacagaag ccctcaagct ggatggaaag aacgtgaagg 60  
 cattctacag acgggctcaa gccacaaaag cactcaagga ctataaatcc agctttgcag 120  
 acatcagcaa cctcctacag attgagccta ggaatgggtc tgcacagaag ttgcggcagg 180  
 aagtgaagca gaacctacac taaaaaccca acagggcaac tggaaacccct gcctgacctt 240  
 acccagagaa gccatgggac acctgctctg tgeccgctcc tgaaacccag catgccccaa 300  
 gtgagctctg aagccccctc ctcaatccct tgatggcctc caccctgtaa gaagctttgc 360  
 tttggctcaa ttaacttaa gtgtaataca accccagacc atgggtggtt gcacccagaa 420  
 agggncacc tnagaaccta aacgttgaag ctgnaacttt ngcccctaat tccnaagcc 480  
 caagttagct tgatcccncc accggaatcc ttatttagcc aaagccnttt ngggntttgg 540  
 ncctggnccc aaanggggct ttgaaaaact ggaaggcttg gccnttggga agctttnc 600  
 caaaancccc aaatttaatt ggggagntna ttttggaaac aaccttgggc tttttngggc 660  
 cccgggtttg gaaaggaagg ggggataaaa ccttaagggc cctggttcca aaannancc 720  
 tttttnaacc ggggn 735

<210> 784  
 <211> 660  
 <212> DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(660)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 784

|             |            |            |             |            |             |     |
|-------------|------------|------------|-------------|------------|-------------|-----|
| cgagggtacac | attgtattat | atacaaacaa | gcaacaacaa  | aaagtttcat | catgtaaaca  | 60  |
| aaagaatata  | aattatagac | ataattggaa | gtttcacaac  | gtccttaa   | cattgtgagc  | 120 |
| ttctctaaaa  | ggcacaggtc | ttggagtgtg | ggcacagagc  | cattagtcag | atgtctgggt  | 180 |
| ggtctcccat  | aatagcaatg | tatactctaa | agtgggcttt  | ttgtgaactc | tgctcagggtg | 240 |
| aatgagtttag | gcctcttaaa | ggaatgaaat | gctttcacat  | ttggggcaac | aagtgaacaaa | 300 |
| tactgaaagg  | agggatacaa | ctagggttag | atattattggt | gacagtgtat | ttagaaatac  | 360 |
| cactaaaaag  | gtggtaaaag | atctctagat | taaattctga  | ctactgnaaa | tnagaaagga  | 420 |
| tccttttgna  | ntctaccaa  | tggttngtga | aaaattaaaa  | gggagaaagt | gacccaggag  | 480 |
| aaaccnaatt  | gggaagctan | ggaggttcca | gaaaatnccc  | agtcttacac | gaaaaaacct  | 540 |
| tganagggcc  | tttttaaggc | caannttggg | aaattacctt  | tgtaacttaa | cttgaaaaan  | 600 |
| acctgccggc  | ggccgttnaa | aggncaattn | accnctggng  | gccgtcttag | ggncncnctc  | 660 |

&lt;210&gt; 785

&lt;211&gt; 254

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 785

|            |            |             |            |             |             |     |
|------------|------------|-------------|------------|-------------|-------------|-----|
| actgctgctg | gttaagggtc | acctgggggtg | caatgctgct | gtcttcacat  | tcgggtcccg  | 60  |
| agtaatgctc | aataagatca | aaggcctttt  | ggtagatctc | ctgggttttca | tgactctgta  | 120 |
| agaactcaat | tttatccaga | ccataagctt  | cttcaatcaa | agcacagtaa  | gggttaaatgc | 180 |
| cagtgccatt | ccctttgggt | tcctgttctc  | caagcctcag | gatattttcc  | aagccattta  | 240 |
| gggcaacctg | tacc       |             |            |             |             | 254 |

&lt;210&gt; 786

&lt;211&gt; 688

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(688)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 786

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| ggtactggct | gagctggaag  | tgccaaaaag | cactcctggc | tgcttctggt | tccatctgat | 60  |
| gatgatgtga | cacacactgc  | tgaaaaggcc | caagcagggc | aagtgggatg | gctgaaggag | 120 |
| ggaaggagg  | ggttcagaac  | ccactggcct | ggatgggaga | actgggtgga | ggcttcccca | 180 |
| agagggaaga | cagataaaca  | aaacaaaaca | aaaactgggt | aaagaggaat | gaatcactca | 240 |
| gccctgatgt | ttcaattcta  | cactgcattc | ctggccagtc | gcatttggtt | aatgcaggca | 300 |
| tgccacagc  | tctcctagag  | aattatctca | aagaccaga  | agggacctgg | angaggccta | 360 |
| tttcttaagg | ttttccagtt  | ggaccaagg  | aangantggg | ttcacttagc | ttctaaaaaa | 420 |
| ggntttgaac | cctaagggtta | actgcctccg | gaagctgctt | gcttttggtt | tggcttccca | 480 |
| aaaaggnttc | agaatagntt  | tggaccctt  | anggaaactt | ggatcaagcc | cggnaancca | 540 |
| anacttnctt | ggtngnaaaa  | tcaagggggg | ctncttgggg | nttanccgga | agtttgggnc | 600 |

aggntgtntt aacaggggtgg ggantgacca nccngnggcc caggggcctt antaactntg 660  
ggaanccctt gnganggaan ccttnacc 688

<210> 787  
<211> 708  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(708)  
<223> n = A,T,C or G

<400> 787  
acagtaacac aacatcaaaa gcaacacagg ctgtatacag aaacgtgggt cattcttttc 60  
agccctaatt gagatgtaat taacagtatc gagcactctg gaaaatcact ctgcagggtt 120  
atatggacta catggagatc atacctgtga gtgtagtgaa agctaagtcc tcaagagcca 180  
tatgtataga tacacaatgt tttttaataa tctttaaaac agagatcaaa gttcatttaa 240  
gtcctgtttg cattaacaaa aataaaaaat aaataaaaaat gggaaccaa tggatcatct 300  
aaaaggttta aaaattccta aattgnccaa tttatccaac tgggtgggaga cttaattcag 360  
ggttttggaa agtccaggac tggtttcagc tgaaccaga aggcccccaa ttttgcttac 420  
tggaactggc cctggggtaa gncatggaat taaaatngct tancnccttc cctngggtt 480  
tgaacttttg gccggttnga attattgggt aaaggcaggc tttaaacca gtttnccaac 540  
ctgggctatt taacttggat cccattggga aaaattttca aanggaaatt ttttattagg 600  
ggccatttca atcnaangga aaattntggg aactttggaa atnccganc cttgntggaa 660  
anaaaaaacc cnggggaaat gggngggggg nccttnggcc cccaaccc 708

<210> 788  
<211> 647  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(647)  
<223> n = A,T,C or G

<400> 788  
ggtactctgt ctgctgaggg aatgggggtat tttgactccc atagaaagca ctagcctaag 60  
tcaccaaatt actgcttggt cccactgaa gcagtgtagc tctccatagt atttttgggt 120  
gttatggatt acatgtgtgg ccagctcatg ctttttcttg agcaggggct gtccatgacc 180  
tgtgtccta ccatgctttc taagtctctt ttggacaggg cctcagctgc tgcctcagcc 240  
tgagtttcag aggggtgtga ggagtcctgg taatcttgaa gcagtttgac cacctccaaa 300  
tggttgaact gcacagcatc atccagggga atgggtgcca cctgtccttg gcaaaaggat 360  
tcactttgca agccttgatc aggaatttaa caacttcgaa tgtgccctta nctgcagcaa 420  
catgcnaanc tgggcnccaa gcataagctt tctgggtccat atccatggct gacaaggcaa 480  
cctttnaana ncttancatt ggcncntnnn gcngcaaata ccaggtggcc nnagcttgggt 540  
cccaattntg gccttacncc cggggntaan tccaaccaan gccttaggtt caaatnnga 600  
aattgaanan accccacttt ggcaaaactgg cccctngggt gncccat 647

<210> 789  
<211> 650  
<212> DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(650)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 789

|            |             |            |            |            |             |     |
|------------|-------------|------------|------------|------------|-------------|-----|
| acctgcgcgc | cctcgacgtc  | aatgtggcct | tgcgcaaaat | cgccaacttg | ctgaagccag  | 60  |
| acaaagagat | cgtgcaggac  | ggtgaccata | tgatcatccg | cacgctgagc | acttttagga  | 120 |
| actacatcat | ggacttccag  | gttggaagg  | agtttgagga | ggatctgaca | ggcatagatg  | 180 |
| accgcaagt  | catgacaaca  | gtgagctggg | acggagacaa | gctccagtgt | gtgcagaagg  | 240 |
| gtgagaagga | ggggcggtggc | tggacccagt | ggatcgagg  | tgatgagctg | cacctggaga  | 300 |
| tgagagtgg  | aggtgtggtc  | tgcaagcaag | tattcaagaa | ggtgcagtga | agcccaggca  | 360 |
| gacnaccttg | tcccaaagga  | atcagcaagg | atgtgtgggc | caagatcccc | ctntttgccc  | 420 |
| agcatgaggc | aaaaatgtnc  | agccacccca | ggctttntta | acanagctgg | ctcttggttt  | 480 |
| tggcactttt | ccttttctta  | aacaaacctg | ccattaagng | anttggtgtt | caaaaaaaaaa | 540 |
| aattntnnna | naataaaaaa  | ttttnttctt | cgcaccncct | tnnggggaaa | cncnantgng  | 600 |
| gcggtntntt | ggancnctnn  | tccnctnttg | gnntangtat | aatntttttt |             | 650 |

&lt;210&gt; 790

&lt;211&gt; 646

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(646)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 790

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| gggtaattcc  | ggctgttgca | ccatggcgtc | catggggacc | ctcgccttcg | atgaatatgg | 60  |
| gcgccttttc  | ctcatcatca | aggatcagga | ccgcaagtcc | cgtcttatgg | gacttgaggc | 120 |
| cctcaagtct  | catataatgg | cagcaaaggc | tgtagcaaat | acaatgagaa | catcacttgg | 180 |
| accaaattggg | cttgataaga | tgatggtgga | taaggatggg | gatgtgactg | taactaatga | 240 |
| tggggccacc  | atcttaagca | tgatggatgt | tgatcatcag | attgccaagc | tgatggtgga | 300 |
| actgnccaag  | tctcaggatg | atgaaattgg | agatggaacc | acaggagtgg | ttgtcctggc | 360 |
| tggtgccttg  | gtagaagaag | cggagcaatt | gctanaccca | ggcattcacc | caatcagaat | 420 |
| annccatngc  | tattaacaag | ctgnttcccg | ttgctattga | acactggaca | agaacaacga | 480 |
| taccnccctg  | gtgacttaan | ggcaccgaac | cctgattaaa | ccgnaaaccc | cncntnggtc | 540 |
| aagnggnaca  | gttgcncccc | cnaatngtta | atctggangc | cgcctnttgc | ccanttgga  | 600 |
| ggaaacntta  | tttgctttca | attaaggcaa | tggccgcagn | tgagan     |            | 646 |

&lt;210&gt; 791

&lt;211&gt; 656

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(656)

&lt;223&gt; n = A,T,C or G

```

<400> 791
accatgatat ctggcagatg tataagaagg cagaggcttc cttttggacc gccgaggagg      60
tggacctctc caaggacatt cagcactggg aatccctgaa acccgaggag agatatttta      120
tatcccatgt tctggctttc ttgacagcaa gcgatggcat agtaaataaa aacttggtgg      180
agcgatttag ccaagaagtt cagattacag aagcccgcctg tttctatggc ttccaaattg      240
ccatggaaaa catacattct gaaatgtata gtcttcttat tgacacttac ataaaagatc      300
ccaaagaaaag ggaattttctc ctcaatgccca ttgaaacgat gccttggtgc aagaagaagg      360
cagactgggc ccttgcgctg gattggggac caagaggcta cctatgggtga acgtgttgta      420
acctttgctg cntggaaggc atttcttttc cggctctttg cgcgatattc tggcttaaga      480
aacgaggctg agcctggcct acantttcta angaacttat taccganatt aagggttacn      540
ctgggatttg cttgcctgaa gttnaacccc tgggacctng gccgnacccc ntangggcaa      600
ttccanccac tggnggggccc tactaaggga accaacttgg gcccaacntg gggnat      656

```

```

<210> 792
<211> 640
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(640)
<223> n = A,T,C or G

```

```

<400> 792
ggtctgacac aatcagaaat tgcagacatc atcctgggta tggagatctc ggcaccgtca      60
cagcagcggc agcagatcgc tgagatcgag aagcagacca aggaacaatc gcagctgacg      120
gcaacacaga ctgcactgt caacaagcat ggcgatgaga tcatcacctc caccaccagc      180
aactatgaga cccagacttt ctcatccaag actgagtggg gggctcagggc catctctgct      240
gccaacctgc acctaaggac caatcacatc tatgtttcat ctgacgacat caaggagact      300
ggctacacct acatccttcc caaagaatgt gcttaagaaa gtccatctgc atatctgacc      360
ttcggggccc aattgcagga tacctatatg gggtgagccc accagatacc cccaggtgaa      420
agagatcccc tgcattgtga tgggtgcccc atggggcctt accanaacgn gcacctgctg      480
gcaantgnct aactgagacc tgcccggcgg ccgttcaang gcaattcngn nactggnggc      540
cgtctaaggg accnacttgg gccaaacttg gnaatatggc nnactggtcc tggggaatgg      600
tntccgtcca ttcccanttc anccggaanc taanggtaac      640

```

```

<210> 793
<211> 615
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(615)
<223> n = A,T,C or G

```

```

<400> 793
acctacaact atatctactc cattttccaa aacagagagc tgatcccggg ctgcaacacc      60
tccaattatc agaagctccc ttaatttagg attatcaatg tatttcttaa actgcttgat      120
gttattcaaa gtttgttcag ctaactcccg ggaagggttca acaatgagag ctttcgggagc      180
attggggaga aactttgttt gtgtcacctg tgcattacct gagtgtgtg atttgacaat      240
gtaaccatcc ggtgccttgg aaagagcaac aaagccatct tttggtggaa acttaaattc      300
ctcttcaccc gaagttaaat ttcagttcag cattcttcaa aacacaggca ggaaagaggg      360

```



|             |            |             |            |            |            |     |
|-------------|------------|-------------|------------|------------|------------|-----|
| cttgggttttt | catatgtggt | ggtattttcaa | atgccagacc | aaganctttt | ccatttttgg | 420 |
| agaacttgac  | atgtccttat | ctatatcnng  | tacatccatg | ggatcatgcc | tagngaattc | 480 |
| tttcataata  | tcaaatggtg | gtatggaatc  | ttcctgtccc | caagccaatc | caactggaga | 540 |
| ccttggcggc  | ccntanggca | atcancctgn  | gccgctaggn | ccactggcca | ctggnacagg | 600 |
| cnntgtctgg  | aatgn      |             |            |            |            | 615 |

<210> 794  
 <211> 709  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(709)  
 <223> n = A,T,C or G

|             |            |            |            |             |            |     |
|-------------|------------|------------|------------|-------------|------------|-----|
| <400> 794   |            |            |            |             |            |     |
| acttctgaat  | aagttcagag | ccaaccactc | tcaagaaagt | ggctgaggtt  | tggtttgcta | 60  |
| ctgctttggc  | taacaaggtt | ttacctgtgc | caggtggacc | atagagaatg  | acccccttag | 120 |
| gaggctttat  | acccatctct | tcataatatt | caggatgggc | gagaggaagc  | tccacagatt | 180 |
| ccttaatttc  | ctgaatttgg | ttgtccaacc | ccccaatatc | tgcataggtc  | tcctgggggg | 240 |
| cctttctac   | cttcacact  | gtgaccaggg | gatccgtgtc | atccatcagc  | acccctatca | 300 |
| cggnatgcac  | cttgtggttg | agcaggaccg | agcagccagg | ttccagcaga  | tccttgctac | 360 |
| aaatgaaaga  | atgctgacgt | antgttctga | gcccacagat | gtagacacga  | atggcatgat | 420 |
| ggcatcaatg  | atctctttcc | aaggttccta | ctgacatcgg | gggtccccctc | agaatcatcc | 480 |
| acttttggat  | ctttccttct | tcttgnnttt | ccttctaaag | gggttcaatt  | tggtncctgg | 540 |
| atttcttaag  | ngaattcttc | cttncnttga | aaaaaaaaag | gccnttnaaa  | tnctntttta | 600 |
| accttttangn | naanttttaa | cccgggcctt | gaattnnnaa | gggggcnccc  | cngggggcaa | 660 |
| ttttntctgg  | cnnaaatttg | gggccccctt | gggnntnntt | ttttttttt   |            | 709 |

<210> 795  
 <211> 693  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(693)  
 <223> n = A,T,C or G

|            |             |            |             |            |             |     |
|------------|-------------|------------|-------------|------------|-------------|-----|
| <400> 795  |             |            |             |            |             |     |
| ggtacggcaa | tcaatcttaa  | taatccagag | agccagtcca  | tgcatttggg | aaccagactt  | 60  |
| gttcagctgg | acagtgtctat | cagcatggaa | ttgtggcagg  | aagcattcaa | agctgtggaa  | 120 |
| gatattcacg | ggctattctc  | cttgtctaaa | aaaccaccta  | aacctcagtt | gatggcaaatt | 180 |
| tactataaca | aagtctcaac  | tgtgttttgg | aaatctggaa  | atgctctttt | tcatgcatct  | 240 |
| acactccatc | gtctttacca  | tctctctaga | gaaatgagaa  | agaatctcac | acaagacgag  | 300 |
| atgcaaagaa | tgtctactag  | agtcctttta | gccactcttt  | ccatccctat | tactcctgag  | 360 |
| ccgtacatgt | gcataggaac  | tgggatatac | acaggcacag  | ggataggcac | tggaacatat  | 420 |
| tctgnctnca | agtatcatct  | gctgaccaag | aattggncctg | catgtgaagg | ttacagtaag  | 480 |
| tacttttggc | attggtaaan  | ggttgccaaa | aaactgnntt  | ggnccttnan | cnctttggta  | 540 |
| aggggttggg | aaaaggggtg  | gggcttaaac | ctggcanttt  | nggttcnana | agnttggaag  | 600 |
| ncctggganc | ttaagggaag  | gtttttangg | gccnttttga  | aatggcaatg | tgggcncaat  | 660 |
| ttggtggccc | gtnaaaaccc  | cntanncaag | gtn         |            |             | 693 |

<210> 796  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(452)  
 <223> n = A,T,C or G

<400> 796  
 ggtacattca cgtctcccg cgccttcacc tgaaagccat cggctcctg ggtagtggcg 60  
 gtccctgtgcc attctaccag atgggtgtct ggcccatata ggtctttgtc cagttcaatc 120  
 accaaggatt taaaaaagga agagaacttc ctcttttgtt tagtggcatc atatttggac 180  
 aaggctgaat cctccaggag ccgtccttct acccgaagct cccaggaagc caccgtccct 240  
 tccccatcct cggcatctga cttagccgga ttgaaagtgt tagaaatgaa aattcgcagc 300  
 ttccggttttt gcttgatggg acgtttcaag gcctcttggga tatctagccg ttcctcatga 360  
 tagtctggtc cagttccttt caaaagccaa gagatccata taggcctggg attctggtac 420  
 ctgccnggcc ggcgtcnaa nggccaattc aa 452

<210> 797  
 <211> 333  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(333)  
 <223> n = A,T,C or G

<400> 797  
 ggtacaagct tttttttttt tttttttttt ttttttatta ngcgcaagtg gtcaaaagtt 60  
 gtcaaaattg tcctcattcc tcgattgtct cttttttacc agtctcttgc ccttcaaaca 120  
 gaggatacct ggcctccaca tcagcccatg tgatgttgcc attggctagg tcttggacta 180  
 tgctgggcag ctgagagatc tctgctctta tctgccgcag tgagtcacgg tccctcagag 240  
 ttgcagtgtg gggggtcttg ttcactgtgt caaagtcatt ggtgacacca aaagccacgc 300  
 caatctcatc aagtcctggc atancgcctt ccg 333

<210> 798  
 <211> 632  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(632)  
 <223> n = A,T,C or G

<400> 798  
 ggtgcttttt tttttttttt tttttttttt tttttggaca cagatcactt tattggcatg 60  
 gctttgtttt aagaaaagga aaagtgacaa agccaagaga cagactctgc taacagatgc 120  
 ctgggggtgg ctggacattt ttgcctcatg ctgtgcaaaag agggggatcc tggcccacac 180

|            |            |             |             |            |            |     |
|------------|------------|-------------|-------------|------------|------------|-----|
| atcctgctga | ttccttggga | caaggttgtc  | tgccctgggcc | tcantgcacc | ttcttgaata | 240 |
| cttgcttgca | gaccacacct | tccactctca  | tctccagggtg | cagntcatca | ccctcgatcc | 300 |
| actgggtcca | gccacgcccc | tctttctcac  | cctttctgcac | acactggagc | ttgnctccgc | 360 |
| cnagctcact | gntgcatgca | cttgcgggcat | ctatgcctgn  | caaatectcn | ttaaactctt | 420 |
| tnccaacctg | gaagtncatg | gatgtagtcc  | taaaagtgt   | ancgngccga | tgatcatatg | 480 |
| gncaccggnc | tnaccnact  | tttggctggc  | ttancaagtt  | gcaattgcnn | aggccattga | 540 |
| cttaggcnc  | agtcttcccc | gcgccgtnaa  | ggcaatcncc  | attggcggnn | tctagggnc  | 600 |
| nntggncagt | tggtnatngg | caantntcng  | ga          |            |            | 632 |

&lt;210&gt; 799

&lt;211&gt; 462

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(462)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 799

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggtactgcgt | ctgtttttgt | tacccacaaa | ggaccagcgc | cagatgttct | ttgtgatcag | 60  |
| cctggatccc | ccaatcaagc | aaggccaaac | tcgctaccac | ttcctgatcc | tcctcttctc | 120 |
| caaggacgag | gacatttcgt | tgactctgaa | catgaacgag | gaagaagtgg | agaagcgctt | 180 |
| tgagggtcgg | ctcaccaaga | acatgtcagg | atccctctat | gagatgggtc | gccgggtcat | 240 |
| gaaagcactg | gtaaaccgca | agatcacagt | gccaggcaac | ttccaagggc | actcaggggc | 300 |
| ccagtgcatt | acctgttcct | acaaggcaaa | gctcaggact | gctctaccgc | ctggagcggg | 360 |
| gcttcactca | cgtccacaaa | gccacctgtg | cacatncgct | tcgatgagac | tcctttgcaa | 420 |
| cntttgtcgt | ggtacctgcc | cggccggncg | ttcgaaangg | cc         |            | 462 |

&lt;210&gt; 800

&lt;211&gt; 702

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(702)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 800

|             |            |            |             |            |            |     |
|-------------|------------|------------|-------------|------------|------------|-----|
| gaggtgtcct  | cccctccaag | cagaccacct | gtcccccttct | atcccagctc | agagcagctg | 60  |
| acccaactca  | gaatctcttt | cctacaggat | gaagtgcctt  | ttgaatgtta | ttttaagccg | 120 |
| agagttaatt  | tttctacaca | acatatcttc | agacatcttt  | tagtctttta | ttgtcttaga | 180 |
| tactataaga  | agatgaacat | gacaattttc | tagaacctgg  | tagcgtgtgt | gtgtgtggcg | 240 |
| gggggtgctg  | agggagggga | gtgagtcaca | ggagcctgtc  | ccccaacagg | tgtgattgct | 300 |
| ctgacaacct  | gtggcatgct | gcagggtcag | gctcctgata  | ggaggatttc | atgactatgt | 360 |
| cattgnctcc  | actcattttt | gacccagttt | ggaatgtatc  | tgcaattggg | gtgggtcaac | 420 |
| actttaggaa  | acaatagaat | tattttatat | aataattctg  | atggtgacca | agtttngnct | 480 |
| tggaggggcca | caattttctt | cctttgaaaa | agtggacant  | ncctggncac | ttctggnttt | 540 |
| ttaaaactta  | ctnggccatt | ccattttggg | ggtttttttg  | ggnnngttaa | ttgggttttg | 600 |
| gggttaaaaa  | cccgtttnc  | agggaaaanc | ccctaaaaaa  | nccctttggg | gaatttttaa | 660 |
| anggaaaaat  | tctgggntaa | attngggntt | ttttaaaaa   | cc         |            | 702 |

<210> 801  
 <211> 719  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(719)  
 <223> n = A,T,C or G

```

<400> 801
aggtactgcc cagagaattt tgtagacatc aagaaaactt tggaacgaga gactcgccag      60
tgccaggctc tggatgatctg gactgactgt gatagagaag gcgaaaacat cgggtttgag      120
attatccacg tgtgtaaggc tgtaaagccc aatctgcagg tggtgcgagc ccgattctct      180
gagatcacac cccatgccgt caggacagct tgtgaaaacc tgaccgagcc tgatcagagg      240
gtgagcgatg ctgtggatgt gaggcaggag ctggacctga ggattggagc tgcctttact      300
aggttccaga ccctgcggct tcagaggatt tttcctgagg tgctggcaga gcagctcatc      360
agttacggca gctgccagtt cccacactg ggctttgtgg tggaaccggt tcaaagccat      420
tcaggctttt gnacccttgg ggcggnnaac accttaaggc ccgaatttcc agcacaactg      480
ggcggggcgt tactaagngg gantnccgaa cttngggnan cccaagcttt gggcgtnaat      540
cattngggnc ataaacttgg gttnccttgg ngngnaaaaa ttgggntaat ccgggtttna      600
caaatttccc cccccaactt tttccnaaac cccgggaaaag ccttttaaaa ggggtnaaaa      660
acccctnggg gngggccctt aaatggagtn ggggnccttta accttcnccc ttttanant      719

```

<210> 802  
 <211> 646  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(646)  
 <223> n = A,T,C or G

```

<400> 802
actcatcgcc attgacctgg cctataactt gcacagtgcc tatggaaact gggtcccagg      60
cagcaagcct ctcatacaac aggccatggc caagatcatg aaggcaaacc ctgccctgta      120
tgtgttacgt gaacggatcc gcaaggggct acagctctat tcatctgaac ccactgagcc      180
ttatttgtct tctcagaact atggtgagct cttctccaac cagattatct gggtttgtgga      240
tgacaccaac gtctacagag tgactattca caagaccttt gaaggggaact tgacaaccaa      300
gccccatcaac ggagccatct tcactctcaa cccacgcaca gggcagctgt tcctcaagat      360
aatccacacg tccgtgtggg ccgggacaga agcgtttggg gcagttggct aagtggaaga      420
cagctganga ggtggccggc ctggatccga cttctggctt gtggaaggaa cagcccaagc      480
cagaatcatt ggcancagg aaaggcatgc tngaccact ngaaggngcc cttactngga      540
cttccccaaa attgggcatt aaagggntcn gggcttcnaa ttcccttttc aggcenggtt      600
tnangngggg aaaaattcgg ggaatttnat ccttaaagcc nttgnc      646

```

<210> 803  
 <211> 544  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1)...(544)  
 <223> n = A,T,C or G

```

<400> 803
acacgtcgtc ctcccggctc aggccctcaa agaaggggat gaggtccagc agctccgtgt      60
ccgtcatgtc atogaaccag gactgcacag gcaactgcatt ctcaggatgg aagatgtatg      120
aggcagggga attgtcaaca atgatacatt tgctcagctc ccgcccgaagg cgactcaggt      180
ccttcacgta gttccacaga tgaaaaacac atgattctct gaagagccgg gcccggaaca      240
caccccagcg gtctaggagg tcagccacag ggtctgcata cttggccaag ctggcagtaa      300
agagcacaca ttcaaaaagc tgcccatact ctggagggaac tcgtccacat gtggccgctt      360
cagcacatac acctgatgta tagttccatc gattcaaccg gaacaataaa atnagcanta      420
ctaaataggc ttaaaacgaa ctgtgcacca atggttcatt ctaaataaat ggaccaccca      480
ttcttttcca tagtcnagca ccggtacctn tggaanaang tnccttgggc gngnaccccc      540
ttan
  
```

<210> 804  
 <211> 642  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(642)  
 <223> n = A,T,C or G

```

<400> 804
cgaggtacat ccttgtagga gagaacctca tcaatttcca catttcttcc aagttctctt      60
gccctgagac ggatttctcat cgcttttgaa ggcacctgaa agaagcaatg actgacatca      120
tcactttgtt tggctcagat tctaattcca aaaagtaatt ccactggagc tgctgggaag      180
gaaaacgagc tcttctgatg caaaccaaat gaaaaatagg cattaatcct gaccttagct      240
cgggatgaaa cactgctctt aaaaaaactc agttttcctt ccagaaaatg tgggtgtttt      300
tttttcttag aacagtatct ctcccctgtg aagcataacc ccactacttc cagacttgcc      360
ctcccctggg ggacatctga taaagtctcc cctgatgtct ccgcacgggc ttggattatt      420
aagggatgca aatcttggtg agttaatnaa ngaattanta ngggtgtggn tttaaccncc      480
agtggaaatg aaatngngnt gctttntant nggcaanncg aaggcctaag ctttanggcc      540
tttaaccttt ntccangcng ggtaaacttt tggtttgntn aaaaanaaan tnntntntaa      600
agttggggnc ccanttgagc taaccatttg ganngcctac cc      642
  
```

<210> 805  
 <211> 261  
 <212> DNA  
 <213> Homo sapiens

```

<400> 805
cgaggtacta cagagcccct ggacgggtgtg atggttgaaa aggatgtttt ttctcaacct      60
gaaattagta atgaggctgt taatttgaca aatgttttac cagctgataa ttcatcaaca      120
ggatgctcta aatttgcgt tatagaacct ataagtgaat tgcaggaatt tgaaaacatc      180
aagtcaccca catcattaac tcttacagtt cgaagttcac ctgctccttc agaaaatact      240
catatttctc ctttgaaatg t
  
```

<210> 806  
 <211> 311

<212> DNA  
<213> Homo sapiens

<400> 806  
gcgagagcg gctgatcgca gtccggaggt gaggcggaac tctgagcagg tgggccatta 60  
tggctgacat gcaaaatctg gtagaaagat tggagagggc agtgggcccgc ctggaggcag 120  
tatctcatat ctctgacatg caccgtgggt atgcagacag tccttcaaaa gcaggagcag 180  
ctccatatgt gcaggcattt gactcgctgc ttgctgggtcc tgtggcagag tactccagtt 240  
ctcagccaga accccgcaca ggtctttcct tatgggatac cagcccctca tacattgata 300  
aattgggtac c 311

<210> 807  
<211> 591  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(591)  
<223> n = A,T,C or G

<400> 807  
ggtacctgtt ctttgccagt taagatacat atcttattat ctttgttttt ttcaagtcta 60  
tgctcctgtt tgaagctttt cctgtaattt aggttgctctg tgaaatacct ataacatata 120  
attcctatag agtatgccac attttttttc taactcattt caaatgaaat tctctcagat 180  
tctagttttt gagcttgctc actagatctg aaaataaagc atcctttcct gagtccactt 240  
gaactaattg tgaatttggt acttaattta ctggcatctt gggaaacaag ttttgctgtg 300  
gcaggaaggc tgttttgaga gtgagccgtt gaagtctact ctggtttggt gatgacattg 360  
cattaggggt tatttcctgn attaccagtg ccccttctgt gcaatatact ttatgacttg 420  
gaatgcaaca ccacttttaa aagcctgggt tcaagttttg aaagcattgg ttctgtgntg 480  
ccataatctg aagnttctgt gaaggattat tnaagcttta aaccttncaa ggtaaaggcc 540  
aaattaggcc tgggaattacc tggaccttgg ncaaaaattn aaanattncn n 591

<210> 808  
<211> 641  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(641)  
<223> n = A,T,C or G

<400> 808  
actaaatgga ggcacgtggg agaagggagg ggccattgag gaacaaaaat gtgttttaag 60  
gaagagatgg gaaagcagag accaggtaga ggagctaggt aagctgatag gtgttgatcat 120  
tggtagaaaa gaagaagata aatggatgta aggattgagg ccttggaag tagcataggc 180  
aggaaaagag gaattagaag aatacgtgaa gaagtgggaa tcatgggctg ggaagggaaa 240  
ttttggaaaa ggagcacatt aaggcagaaa actcttttag agcagtgggt ttaaacttca 300  
gcaatggtga tccttttata caagtatccc ttacttttga atcccaggaa gtaaaaggca 360  
cattcttggt gaagtggggg aggagcactt ggaacctgct ttgcttaact ttttttcttt 420  
tgggcccttg aagtgtagta tattttaaaa tccactgggt tanaaggag tagttaagtt 480  
naaggggaaan aaaggatgat tgggaaaaga tcngaccoga agggactttt tggtnaccca 540

aaagttttng gtnccttgg aaaggaagg ggcctttt nggaattang ggaaatggaa 600  
acttggaaact ggnnaaantt cctntnagct taaccttgan g 641

<210> 809  
<211> 388  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(388)  
<223> n = A,T,C or G

<400> 809  
acaagagggt gggctgggccc aggatgcccg agggctggcc acagccaccc ccctcaaagg 60  
tggtgatgag aaaagagaca ccttcttcct tgagaacatc ttccagccac aaattagggg 120  
atctgttgcc tggcaataaa ggaacgaatt tataaaagag ttcaatggat ttgtgtcgac 180  
attctgtctg gggcctccca caatgagcta aaagccactt gaccagatcc aataaacaca 240  
atgatgcgga aggtggaaat cctcgcggca aacgtcgttt ctttgcttta tttaaagaaa 300  
catgcttctt ttcaatgatg cggcataggt gatcaatggc atcacaacac tgttgaattg 360  
tacctcggncc gngaccacgc taaaggcc 388

<210> 810  
<211> 175  
<212> DNA  
<213> Homo sapiens

<400> 810  
ggtacatcct cggccgggag tcccactgt ctctctacaa tgaggagctg gtgagcatga 60  
acgtgcaggg tgattatgag ccaactgatg ccaccgggtt catcaacatc aattccctca 120  
ggctgaagga atatcatcgt ctccagagca aggtcactgc caaatagacc cgtgt 175

<210> 811  
<211> 329  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(329)  
<223> n = A,T,C or G

<400> 811  
ctgcgcgggt gttctctgga gcagcggttct tttatctccg tccgccttct ctctaccta 60  
agtgcgtgcc gccaccgat ggaagattcg atggacatgg acatgagccc cctgaggccc 120  
cagaactatc ttttcggttg tgaactaaag gccgacaaag attatcactt taagggtggat 180  
aatgatgaaa atgagcacca gttatcttta agaacgggtca gtttaggggc tgggtgcaaag 240  
gatgagttgc acattgttga agcagangca atgaattacg aaggcagtc aattaaagta 300  
acactggcaa ctttgaaaat gtctgtacc 329

<210> 812  
<211> 668  
<212> DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(668)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 812

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| acggatgcta | cttgccaat  | gatggtaaaa | gggtagctta | ctggttgtcc | tccgattcag | 60  |
| gtagaatga  | ggaggtctgc | ggctaggagt | caataaagt  | attggcttag | tgggcgaaat | 120 |
| attatgcttt | gttgtttggg | tatatggagg | atggggatta | ttgctaggat | gaggatggat | 180 |
| agtaataggg | caaggacgcc | tcctagtctg | ttagggacgg | atcggagaat | tgtgtangcg | 240 |
| aataggaaat | atcattcggg | cttgatgtgg | ggaggggtgt | ttaaggggtt | ggctagggta | 300 |
| taattgtctg | ggtcgcctag | gagggctggg | gagaatagt  | ttaatgtcat | taaggagaga | 360 |
| aggaagagaa | gtnacccaag | ggcctcttta | nttgtgtaat | aanggttggg | aggtgatttt | 420 |
| tatccgnaat | tgggagtga  | tccctaagg  | ggttgggtga | nccccntttc | ctgccanaaa | 480 |
| tagganggtg | gantttctgt | tagggcttcc | aataattgan | gggcctnaaa | tnaanttgn  | 540 |
| aanggtaaat | aaaacctttt | naaggggtgg | gacctgtgtt | cttgngtnna | ncccccttan | 600 |
| nattccattg | gaacttaggc | ttggncccat | gtnttgggan | tggcggataa | ttaanttttg | 660 |
| aaattncc   |            |            |            |            |            | 668 |

&lt;210&gt; 813

&lt;211&gt; 312

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 813

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggtacaggca | gggtagatct | aactattgga | aggaatccct | aacacttttc | cagggtagaa | 60  |
| ttctggctag | tccaaaaagg | gtccttcttt | taaggggttt | gagaaactag | acactgcaac | 120 |
| ttattagtat | cggcgacgtt | tgtttggggc | aaattcagct | ccaggagctg | cacggttgaa | 180 |
| tgcaggagga | gttccaccaa | ttgccccaat | tccttccatt | gtagcagcct | gaccaaagcg | 240 |
| ttcagttgtt | ggtggggtca | atcccaaagt | tccatccggc | atcatagtgg | caggtcctgg | 300 |
| aggagctggg | gt         |            |            |            |            | 312 |

&lt;210&gt; 814

&lt;211&gt; 551

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(551)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 814

|            |            |             |            |             |            |     |
|------------|------------|-------------|------------|-------------|------------|-----|
| caggtactct | gaagtataca | caacagggtct | aaacatctcc | cttgctgtaa  | gtagttgtgt | 60  |
| aaaattcaag | ataaagattt | agtctcatct  | tttaattgtc | gtttttttcc  | ccatgttaaa | 120 |
| gggaatgagg | aggagtcctc | ttttattccc  | ccacaagaaa | aaggagagcca | cattaatatg | 180 |
| tgtatattcc | cataactcta | atgtaagtgc  | ggatctccaa | agcctaggga  | tttttccgta | 240 |
| aaagagagtg | ggccgttctg | gttacccttt  | tattagaagg | gtattccacc  | acagagagcc | 300 |
| ggaggttttc | cagatgtgtg | taagagagca  | ggtgcgcaag | gcaagcaaat  | gagcgcaaac | 360 |
| agtattatgg | aaaacatttg | agaagttagc  | tccatgagga | ctgtgggctt  | cacaagagga | 420 |
| ctcgactggg | tagccctggc | tgacanagga  | cctgaaaagc | ngagtattgc  | ttcaaacttg | 480 |



gaaccntttca taggagccta acactgttgg aagaagtacc ttggcnggac caccttangg 540  
gcaattcnag c 551

<210> 815  
<211> 619  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(619)  
<223> n = A,T,C or G

<400> 815  
ggtactgata acttcttggc tcagttcatc tacaatgac tttccctcta aatcccagat 60  
cttgatgctg gggcctgtgg cagcacacag ccagtagcgg ttagggtga agcacagggc 120  
gttgatgatg tccccacccat ctacggtgta aagggtgttg ccttcggtga gatcccataa 180  
catggcctgg ccaccccttg ctccagaagc acagagggat ccacctggag agacagtcac 240  
cgtgttcaga tagcctgtgt ggccaatgtg gttggtcttc agcttgagc tagccaggtt 300  
ccataccttg accagcttgt cccaaccaca ggagacgatg atagggttgc tgcgtgtggg 360  
cgagaagcgg acacaagaca cccactctga gtggctctca tcctggacag tgtattttgc 420  
acacacccag ggtattccat agcttgggtg gtttacctgn ccggcgccg tcnaaanggc 480  
gaattcacca tggcgccgt actagngatn caacttggnc caacttggcg gaactctggca 540  
tactggttcc tngggaaatt gtttcngtcc aattccncna aattnaaccg gaagnttaaa 600  
ggtaaaactt gggggccta 619

<210> 816  
<211> 658  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(658)  
<223> n = A,T,C or G

<400> 816  
actccagcag ccaggcatcc cagatctcct gtccctggagg gtgctggggc ccttggtccc 60  
ccagagtgtg caggcagacc cccagagccc tagctcatcc atttatccat tcctcataat 120  
ccagtggtcca aagagtacc cagcagggc aggggaaggc cctcccgggg tttacatgac 180  
tgattccttc tcagaggcga ccgtggcatc ccttgccggc ccccgatagt gtttgaggag 240  
ggggtttccc tcctcaggct ctgtgcttct cgactccgta caagcttttt tttttttttt 300  
tttttttttt tgggaaggaga acaattttat tctaaaaata gaacttggtg acaatgaaat 360  
acaaaaagct ggtcattata ataaaaagaa aagaanagtt taactttttt tttgtgaaaa 420  
ttcnaaaatt atcactataa tatactgccca actntggtna attnganttt gaattatttc 480  
ctttcatngg attatttcaa gggaaatttt taaaattngn ttttggccta aaaccttngg 540  
ccgggnaccn cncttanggg gcnaaattcc aatccaantg ggggggnccg taacttaagg 600  
gggancccaa ccttgggnnc caancnttgg gngttaaata atggggcana ncntgttt 658

<210> 817  
<211> 141  
<212> DNA  
<213> Homo sapiens

<400> 817  
 actttcttct gccataaactt cttcctcagt tectacaggt gtgacacttt tcaacttctt 60  
 tggaagagggc atttccactg tatcatcaga gacttggctc gatgcttcta tgggtgctatc 120  
 ctcttcctct tcacgtgtac c 141

<210> 818  
 <211> 280  
 <212> DNA  
 <213> Homo sapiens

<400> 818  
 ggtactttaag aactcaagta tagaaataaa ctgtgggctg aagtaacatt gtaacctgct 60  
 cccaacatga ctgcataggt gtctaagggt aagtgtgaag attactgtga ggtctcaagt 120  
 tacttgacta atcaatccca tttgaatttc aatccaagca gcatatttta cacacacctg 180  
 aaggaaatat cttcagtggtg ttcattgtgtg tgtctatgtg catgtatgtg taggggatag 240  
 gtgtaattag ggaagggctg accgaacaac attgataagt 280

<210> 819  
 <211> 635  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(635)  
 <223> n = A,T,C or G

<400> 819  
 ggtacttgag tcctttctcat ggggtggggctg attgcctctt ctcattcagga gccaggagag 60  
 agggggacag ataggaggtg gcccatagga gcagtcctgc tgcacaatgg taggcatagg 120  
 ccatggcact ggactgcctc taaggactgc taaaaagaat atttttttgt ggtgtcagaa 180  
 ctggaaaaag cactttccct tcgggcattt ctggaaatga ttattaatcc acaaagaaga 240  
 actctgtaag ctttttcttg aattgtancc agtgagaaaa gcagatagac tgaagaatat 300  
 gaaggatagc tgagctgtnc ctncatagtg gggcatgcct aggcattatgg ctggcttgga 360  
 gactactgat gcttttccct gagtttgtat tggcactgan gtatggcccg cttgggccac 420  
 tgacttccca ntaatggaat ctgntnaaaa cttggggatt cctttagctt nntactggaa 480  
 gaaaantttt gtancnaaaa gatattataac cnnttagnaa taagttncc agcanccng 540  
 gatttttttt nngcttgggg gttnttggcg ncctttannn aaggacnggg cnttgnntt 600  
 cntctttacn aggccttgnt ntgancntgg agaan 635

<210> 820  
 <211> 276  
 <212> DNA  
 <213> Homo sapiens

<400> 820  
 acatcttctt cctgagttac gcttacaaaa ttttcaaaca tagcaaccat tgatggggcg 60  
 gcaatcacat gacaattcac aagatcagat aaaaaacgga ccaaatacac ggcttcatta 120  
 taattgtttg ctttcaatga ttctttaagt tgacgaatca tggcttctac aaattctcca 180  
 ccaaaattgt aattcctggc attcagtagt ccaactaat ttgtataaat tgtcagcttc 240  
 tcaggtaata ggcgtgcact ggattcataa atcacc 276

<210> 821  
 <211> 728  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(728)  
 <223> n = A,T,C or G

<400> 821

|             |            |            |            |             |            |     |
|-------------|------------|------------|------------|-------------|------------|-----|
| acaatgatgc  | cagaagcttt | ccttcaagaa | gctcagataa | tgaaaaaatt  | aagacatgat | 60  |
| aaacttggtc  | cactatatgc | tgttgtttct | gaagaaccaa | tttaccattgt | cactgaattt | 120 |
| atgtcaaaaag | gaagcttatt | agatttcctt | aaggaaggag | atggaaaagta | tttgaagctt | 180 |
| ccacagctgg  | ttgatatggc | tgctcagatt | gctgatggta | tgccatataat | tgaaagaatg | 240 |
| aactatattc  | accgagatct | tcgggctgct | aatattcttg | taggagaaaa  | tcttgtgtgc | 300 |
| aaaaatagcag | actttggttt | agcaaggnta | attgaagaca | atgaatacac  | agcaagacaa | 360 |
| ggtgcaaaat  | ttccaatcaa | atggacaagc | tcctgaagct | gcactgnatg  | ggccggntta | 420 |
| caataaaagtc | tgaaggcctg | gncatttttg | aattcttgca | aaccggaact  | tagttaccca | 480 |
| aangggncctc | aatngccntt | attcccaggt | antnggggga | aaccgggnaa  | aagtaaccnn | 540 |
| ttggggcccg  | ggaaaccacc | nccttaangg | ggccnaaatt | ttccaggcnn  | cnacttgggg | 600 |
| cggggcccg   | ttancttaag | gggggaatcc | ccnaacnttt | ggggacccca  | anacntttgg | 660 |
| gcgggaaaac  | cnatnggggn | ccaaaanacc | gnggntnccc | ccgnggnggg  | naaaaaattg | 720 |
| gnnttnnc    |            |            |            |             |            | 728 |

<210> 822  
 <211> 632  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(632)  
 <223> n = A,T,C or G

<400> 822

|            |             |             |            |            |            |     |
|------------|-------------|-------------|------------|------------|------------|-----|
| actttacggc | ctgatctaata | tgaaagtgc   | tccttctgtg | caagtggcaa | agctgaactc | 60  |
| atcaaaaacc | atcacaatga  | cacagagctc  | atcagaaagt | tgagagagga | gggaaaagt  | 120 |
| atagaacctc | tgaaagattt  | tcataaagat  | gaagtgcag  | ttttgggcag | agaacttgg  | 180 |
| cttccagaag | agttagtttc  | caggcatcca  | tttccaggtc | ctggcctggc | aatcagagta | 240 |
| atatgtgctg | aagaacctta  | tatttgtaag  | gactttcctg | aaaccaacaa | tattttgaaa | 300 |
| atagtagctg | atttttctgc  | aagtgttaaa  | aagccacata | ccctattaca | gagagtcaaa | 360 |
| gcctgcacaa | cagaagagga  | tcaggagaag  | ctgatgcaaa | ttaccagtc  | tgcatcact  | 420 |
| gaatgccttc | ttgctggcca  | tttaaaactgt | aggtgtgcan | ggtgactggc | cgttcctcag | 480 |
| ntncttgtgg | ggaatcttcc  | gtnaagatga  | acctgacttg | ggancactta | ttttttnggc | 540 |
| tangnttaaa | ccttncatng  | ngnncaactt  | taccangtn  | gnttantatt | tngncccccg | 600 |
| ttaanacctt | tctnchnngnt | cctccatttt  | tg         |            |            | 632 |

<210> 823  
 <211> 649  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(649)  
 <223> n = A,T,C or G

<400> 823  
 actgctgcaa cccatgcagc gtcaacttcg tctcatcacc cacgaagatc tccattggat 60  
 cttgcatgaa cttgcggcag actggacgga tctctttgct caaggtagca ctgaacatca 120  
 tgacctgctt ctctgtgggg gtcctgcgaa aaatttctct gacatcccga cgcattgtcga 180  
 gctgttcaag catcttatca cattcatcca aaataaagtgt ttaaatgtgt ttgaggttga 240  
 ggctcttatt tcgagccagg gctaggatac ggcctggagt cccacagacg atatgcgggc 300  
 agttcttctt cagcacctct tcatccttct tgatagacag accaccaaaa aaaacagcaa 360  
 ccttgacatt gggcatgtat ttagagaagc gctcatattc cttgctgacg tgaaaagcca 420  
 actcccgagt ggtgacacca tcaccagcac agacacctgc ccagtaacct ggcttccaac 480  
 tgggtgcant gnnngggccaa gaacaaacac tgggtggcttt tccatgcccc natttgggct 540  
 tggcnccagg aaattcantt cccaaaatgg gcttgaaggg atgcctntnt gcttggactt 600  
 ttgacgggat gttnaaggcc ccagnttnan aatggncccg gagcaattn 649

<210> 824  
 <211> 603  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(603)  
 <223> n = A,T,C or G

<400> 824  
 accccttata aaccagcaat gtcattctgt aggaagcaaa ttctcaagtgt tctgtcattt 60  
 acttggttct ttttctttgt ggtcttcacc cttataccct ggaaaagtct gtaattacct 120  
 tagccaggaa gatagatggt catggcaagc gcacagcacc agacttactg gctcaccaag 180  
 atgatggaaa aaggcagatg atttttttaa aagccgtaat gactccttta gaccagccat 240  
 ttagecgtgt aattttgaaa ggcctagctc cattgcagac ttccaaagggt tcagctctga 300  
 gactgccctc caggtgggca gttgattatt tccaccagtgt tttccagag ccttaaactg 360  
 cctaagtgac aactacctca gttggcagga aaagagacat atagtagaaa gtgaaaaatg 420  
 agcagtattt gggcagatgc tatggggtac agttgaangg taaaanggac tttccttggg 480  
 aacccttatn ccctgngaatt atgacctngg ccggacacnt taaggcnatt cacnntgngg 540  
 gccgtctaan ggnnccactt ggnncanctt ngnaaaaggc aaactgtntct gngnaatgtn 600  
 ccc 603

<210> 825  
 <211> 634  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(634)  
 <223> n = A,T,C or G

<400> 825  
 tgaaaaataa actattntat ttcagtgttt gctccttgcg gttcagaagc acatctactg 60

|            |            |            |            |             |             |     |
|------------|------------|------------|------------|-------------|-------------|-----|
| cctgggttga | acccaaggct | tttataaaac | cgtagagaaa | tatgagctct  | atgtatagag  | 120 |
| aaaatataca | tgttgattaa | ttgtgtgact | ctttcctgtg | caaagcagaa  | agttctaaat  | 180 |
| gcaacagcat | gattctctcc | aagtccttcc | ctgggatttg | gggggccctg  | gaggctgtga  | 240 |
| tctcacctcc | aatagagaat | ccccaattct | tccagcccaa | gggaggccca  | gncatgtaga  | 300 |
| aagagcagga | gataaagtca | aagctgacaa | ctcatgggtt | ccccaaagctt | ctccggggca  | 360 |
| ggggctatgt | ttgggggcct | taccctgcaa | agaaggggta | gctgggggtgc | cnaccttggg  | 420 |
| gggtaagtgc | cacactggca | ctaaagctgt | tgggaagtct | agcattgcan  | ccggccagggt | 480 |
| ttatgggtna | accagggtgt | ccaanggggt | ttttcccta  | aaactngggg  | ctnaaaggng  | 540 |
| gggaccctng | gcncgaacc  | ccttangggc | aaatcccggc | aattgggggc  | cntttttaan  | 600 |
| gggnccaac  | ttgggaccaa | acttgngnga | atnn       |             |             | 634 |

&lt;210&gt; 826

&lt;211&gt; 507

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(507)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 826

|            |            |            |             |             |            |     |
|------------|------------|------------|-------------|-------------|------------|-----|
| ggtacctgaa | gaacaaatcc | cttcagggtt | aagctcgaca  | ggacactttc  | cccagtccca | 60  |
| ggtttccatt | tccctcattc | ccaaaagggg | ccccctccctc | tccatgcgca  | cacagaactt | 120 |
| ttcgctcacc | caaaagtccc | ttctgtctga | tcttttccca  | tcactcttct  | tccctctact | 180 |
| tactactccc | tctagaacag | tggattttta | atatactaca  | cctcaggggac | caaaagaaaa | 240 |
| aagttaagca | agcagggttc | caagtgtctc | tccccaaactt | caacaagaat  | gtgcctttta | 300 |
| cttcctggga | ttccaaagta | agggatactg | tataaaagga  | tcaccattgc  | tgaagttaa  | 360 |
| aaccactgct | ctaaaagagt | tttctgcctt | aatgtgtctc  | ttttccaaaa  | tttcccttcc | 420 |
| cagcccatga | ttccacttct | tcacgtatcc | ttctaantcc  | tctttttctg  | gctatgctac | 480 |
| ttttcnangg | ctcaaaactt | aaattcn    |             |             |            | 507 |

&lt;210&gt; 827

&lt;211&gt; 617

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(617)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 827

|            |            |             |             |            |            |     |
|------------|------------|-------------|-------------|------------|------------|-----|
| cgccagcgct | gcaggagctg | acatggaccc  | aaatcctcgg  | gccgccctgg | agcgccaaca | 60  |
| gctccgcctt | cgggagcggc | aaaaattctt  | cgaggacatt  | ttacagccag | agacagagtt | 120 |
| tgtctttcct | ctgtcccatc | cgcactctga  | gtcgagagaa  | ccccccatag | gtagtatctc | 180 |
| atccatggaa | gtgaatgtgg | acacactgga  | gcaagtagaa  | cttattgacc | ttggggaccc | 240 |
| ggatgcagca | gatgtgttct | tgccttgcca  | agatcctcca  | ccaaccccc  | agtcgtctgg | 300 |
| gatggacaac | catttgagg  | agctgagcct  | gccgggtgct  | acatcagaca | ggaccacatc | 360 |
| taggacctct | tctnctnctc | ctnctgactcc | tncaccaacc  | tgcataagcc | aaatccaagt | 420 |
| gatgatggag | cagatacgcc | cttggcacag  | tcngatnaga  | ggaggaaaag | gggtnttggg | 480 |
| ngggcaaaan | cttgannctg | cagntagcaa  | tggggccctgc | tanaantgnc | caccttggtn | 540 |
| ttttccaatn | nnacncaggc | caccnaactt  | ttgganaaac  | caanttttnt | tgcgngggcc | 600 |

aaggggaagn ngnggat

617

<210> 828  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(448)  
 <223> n = A,T,C or G

<400> 828  
 actgtcacct ttttaagtgg aaagaaatat agtgtggatg atttacctc aatgggagca 60  
 ggggatctgc taaactctat gtttgaattt agtgagaagc taaatgccct ccaacttagt 120  
 gatgaagaga tgagtttgtt tacagctgtt gtcctggtat ctgcagatcg atctggaata 180  
 gaaaacgtca gctctgtgga ggctttgcag gaaactctca ttcgtgcact aaggacctta 240  
 ataattgaaaa accatccaaa tgaggcctct atttttacia aactgcttct aaagttgccca 300  
 gatcttcgat ctttaaacia catgcactct gaggagctct tggcctttaa agntcacctc 360  
 taaggccttn gtttatttaa ncatgaactg atggtaactg nacctcngnc gcgaccacnc 420  
 taaggccaat tccananact gnccggcg 448

<210> 829  
 <211> 619  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(619)  
 <223> n = A,T,C or G

<400> 829  
 cgaggtactt ttaaagcagg gagtggggaa aagtattttg aggggacatt ttcacatca 60  
 gttcagcttt ttttttttgg ttgttgctct tttttggggg ggttgggttt gttgggttca 120  
 ctgaaacatt taactacctg taaaatctaa acatggctgt tagtgtcaca ccaattcggg 180  
 acacaaaatg gctaacactg gaagtatgta gagagttcca gagggggact tgctcacggc 240  
 cagacacgga atgtaaaattt gcacatcctt cgaaaagctg ccaagttgaa aatggacgag 300  
 taatcgccctg ctttgattca ttgaaaggcc gttgctccag ggagaactgc aaatatcttc 360  
 atccaccccc acatttaaaa acgcagttgg agataaatgg acgcaataac ttgattcagc 420  
 agaagaacat ggccatgttg gnccagcaaa tgccactagn ccatgccatg atgcctggtg 480  
 cccattacaa cccgngccat ngttcaattg nccaacttac cnccatgcnt aacagccgct 540  
 ctannccctt tggacctttt ttccancttg gcccggaata attttccant ggccaattgg 600  
 ttccgggant ccgggtcct 619

<210> 830  
 <211> 618  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(618)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 830

|            |            |            |             |            |            |     |
|------------|------------|------------|-------------|------------|------------|-----|
| ggtacaccct | agccaacggg | acaaatccta | gagggatataa | aatcatctct | gctcagataa | 60  |
| tcatgactta | gcaagaataa | gggcaaaaaa | tcctgttggt  | ttaacgtcac | tggtccacct | 120 |
| ggtgtaatat | ctctcatgac | agtgcaccca | aggggaagttg | actaagtcac | atgtaaatta | 180 |
| ggagtgtttt | aaagaatgcc | atagatgttg | attcttaact  | gctacagata | acctgtaatt | 240 |
| gagcagattt | aaaattcagg | catacttttc | catttatcca  | agtgttttca | ttttccaga  | 300 |
| tggcttcaga | agtaggctcg | tgggcagggc | gcagacctga  | tctttatagg | gttgacatag | 360 |
| aaagcagtaa | gttgtggggg | gaaagggcag | gttgtcttca  | aactctgtga | ggtagaatcc | 420 |
| ttnnctatac | ctccatgaac | attgactcgt | gtgttcagag  | cctttggcct | ctntggngga | 480 |
| gtctngctnt | ttgggctcct | gggcacccct | ttgaatagtc  | actctgtaaa | actngccann | 540 |
| gctttgaaac | tgggtncctt | acccanggtg | naagggncct  | tggtggcctt | tanaagggtg | 600 |
| ggncatncct | ccaaaacc   |            |             |            |            | 618 |

&lt;210&gt; 831

&lt;211&gt; 648

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(648)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 831

|             |             |            |            |            |             |     |
|-------------|-------------|------------|------------|------------|-------------|-----|
| acatgaaaga  | cacgtccaca  | tcacagttgc | ccccaaactg | cctgtgctcc | tcgatgggtg  | 60  |
| ctctccctcc  | agaaaacgca  | tgcttattga | ccttggtttt | gatctgcttg | gccgtgtcgg  | 120 |
| tgaggaagat  | ggaggagttg  | gggtcgctgg | cactcatttt | ggtctgggag | ccctgcaggg  | 180 |
| ctgggaagaa  | ggtggagtg   | aacagggctg | gtttaggata | gccgatcctg | ggggcgacgt  | 240 |
| cccttgatcat | tctaaagtaa  | ggatcctggg | caatggcaca | tgggataagg | cactggatat  | 300 |
| ccgtcctgtc  | tcggaagatc  | tgtgggaatg | agttgctgaa | ggagggagca | gcctggatgg  | 360 |
| caggaaaact  | gatcttccca  | atgcagtcgc | tgctcagtga | acncgaaaaa | tgccctttcac | 420 |
| tttggtttga  | aggtaacatg  | cctttttgaa | tcttcaccac | attttttgta | gaaaccttgg  | 480 |
| nccttnatnc  | cccattgtagn | nccaggttca | naanaatntt | gaaaagnctt | tggtggaagg  | 540 |
| tcaaaaancnc | caggccaant  | aaaggncctt | tggnaatntt | ttcccnggnt | ataactttnt  | 600 |
| nggcctgggn  | ccaaggtcaa  | nggccctttc | cnaannaact | ttttnggn   |             | 648 |

&lt;210&gt; 832

&lt;211&gt; 689

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(689)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 832

|            |             |            |            |             |            |     |
|------------|-------------|------------|------------|-------------|------------|-----|
| gtccccacga | actggcctgg  | ccaagcaccc | cacactggag | ccatctcttc  | ctcatatttc | 60  |
| agcagtgcag | ccggggggca  | gggaagggca | ggcagggctc | gttgggggtc  | ctttttatcc | 120 |
| ttattcctcc | cccagacctaa | ttgtctttgt | tctgtgatta | ttggggggaca | cccggctccc | 180 |
| cccagacaat | gccagcataa  | atccatccat | ccaaaggcag | agaaccaaaag | gggccatgga | 240 |

|             |            |            |            |             |            |     |
|-------------|------------|------------|------------|-------------|------------|-----|
| aggttctctg  | tgtctctcct | acccttccag | tgccctaggc | ctggcgactg  | cccctgcctt | 300 |
| ttagacccgc  | ctccctttta | tacctgctct | tgntctactg | agaaaagcct  | ctcagcaata | 360 |
| atgnttttcta | gtcacttcct | ccgncttcgg | gacgggcgtg | cctggacact  | tgtaccttng | 420 |
| gccccggaac  | cacgcttaag | ggcgaaaatt | ccaagcacnc | ttggccggcc  | ggttaccttn | 480 |
| gtngggatnc  | ccaaccttng | gnnncccaaa | ccttgggcgg | taaacctatng | ggnccttaac | 540 |
| ctngngttcc  | ctgggggngn | aaaantngta | atttccgggt | ttacccaatt  | ttccncccca | 600 |
| aacnttntcc  | caaancccg  | gaaaaccctt | aaaaggnggg | aaaaancccc  | ttgggggggg | 660 |
| gccctnaann  | nggagggtgg | ngcnttanc  |            |             |            | 689 |

<210> 833  
 <211> 726  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (726)  
 <223> n = A,T,C or G

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| <400> 833  |            |             |            |            |            |     |
| ggtactaatg | tgaattgttc | ctcagaaaacg | cttcttttcc | atcctagtga | gaagctggcc | 60  |
| ctgcaggtgg | tggcagcaat | ggtgttgtaa  | gatttcctcc | cgtagttttt | tctcctcatg | 120 |
| gatttgaatg | aaatgccaat | aacacgtcca  | ctttcaacgt | gtagtttacg | cggagcactt | 180 |
| tcgaggcctg | gcccgggttg | gcctacttct  | cacctgggcc | tatcttctga | actcgctagg | 240 |
| ttcttatcaa | catttggggg | ataactttgt  | atattttttt | cattnggctt | ttctttacca | 300 |
| gtttctgatt | tttattctca | atataatttt  | gctaaaacct | atttcacaaa | tnaccacng  | 360 |
| actgaaagtg | tgtgnttact | gatgcggccc  | ttgagcttcc | atgggcgaaa | ggagtgactt | 420 |
| ttgcagcngc | cgtnaagaac | ccgnaaatct  | ggtttnanag | cncanggaa  | agtngaccac | 480 |
| cnttangggg | agccccncg  | tangggggcg  | ctttgtaang | cccncnggg  | ggaaccccc  | 540 |
| annnaccggt | gggggtcctt | aaaagnaana  | nanaccgggg | gtctttaagc | ttntttcctt | 600 |
| gggccacncc | ccccaaaann | gggnttttcc  | caatttntta | anacnctntc | ttnggggggg | 660 |
| tcctngngng | aaatggngga | aaaaaangcc  | cnnntnnttg | ttnggggngg | gnaccncaan | 720 |
| gtggng     |            |             |            |            |            | 726 |

<210> 834  
 <211> 628  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (628)  
 <223> n = A,T,C or G

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| <400> 834  |            |            |            |            |             |     |
| ggtacgagag | tgtagccaaa | gtgagaggct | gagagcaaag | gagacatttt | tttcagtttt  | 60  |
| gagtcgagta | tccagacaga | ggcaaatcat | tttgtttaac | tttttattaa | agtgttaacta | 120 |
| tagaaacaca | tcaatgattt | ttcacaagtg | gagcactgtg | catacaatcg | gcaccccgaga | 180 |
| agcccccggt | cagattccct | tccagttaac | tacctctcca | agggaaacca | ctatcctgag  | 240 |
| ttctaagcgc | atagattagt | ttctgtctgg | tttggggaga | tatataaatg | gaattatgca  | 300 |
| ttcttcgtat | ctggttncct | ttcaccaata | ttatgtttgt | gagatttttg | gtgcatgtat  | 360 |
| ttgtacagnt | ttgctgattt | taggtgttgc | gcctcattgg | gaacagtttg | ctataggttg  | 420 |
| aagagaaaat | ttgctcttcc | ggtttantgg | caccanggag | canaatgccc | ncagtgtntg  | 480 |



|   |     |
|---|-----|
| gnctcngata atggggtcgaa attggggangt gggctggacn tttttnactt gntctttctg | 540 |
| atctngantc gggttnccctat tcnatatttg gntntcttcg gaattnttg ntngaacttg  | 600 |
| cctggggccng gctgttctan aggggnag                                     | 628 |

<210> 835  
 <211> 602  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (602)  
 <223> n = A,T,C or G

|  |     |
|--|-----|
| <400> 835  |     |
| ggtactgaaa tcacaagagc tataactgcc agagaaaaat taaatggggt cttcaagtag    | 60  |
| tgactgagcc agcaaaactaa gtggccaaga gggagacaag agcagctcct aaagaagggt   | 120 |
| gaagtcaagc aatctccgga acacagagga tctgaagcat ctgggcagag ccacaggcag    | 180 |
| gcanggcaag gacacacagc acaccagagc agcaccgtcc ttcactgtgt gagagcaact    | 240 |
| ctcaggctgc agaaccaatt gccatctcca ctgcctacag ctcagggtctc caactaccag   | 300 |
| atagggagta aaaaacagtt tgattttatt cacctcaagt ctaaaccacgg ngggaaaaaa   | 360 |
| aactgggtcta nagatggaaa ctatatattca tgggggttta ttaaaccagag aaagaggaga | 420 |
| atattcacat ttacacagggc ttttctntgaa ataaagactt gatctgaaaa ggcaccctta  | 480 |
| tggcangctt taacttccta agntngggna gnncccaa tttccannaa tcttgggacc      | 540 |
| ncttgcccag tngatttttt ttaaataact nagctnaatt gntnggntaa tttnataana    | 600 |
| ng   | 602 |

<210> 836  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (355)  
 <223> n = A,T,C or G

|   |     |
|---|-----|
| <400> 836   |     |
| acacaatgct tctgccagtc ctattcaggg ccaaggacat gtgcttataa ccatctgccca    | 60  |
| aattttccaa actgtcacag taacaaccat caaatttttag cagatctact ccccgagtcag   | 120 |
| caaaggctctg ggcacatcaatg tcgtagtata caaaactccc aggggaagcct gcgcagggtt | 180 |
| tattttccaa atctgcataa atccctagct tcagtccttt gctgtgaaca taattagcta     | 240 |
| gctggcgaat cccatgagga aagcgctgag ggtctgcctg aagtctgcct tctgaatctc     | 300 |
| tttgggggagc catccaacag tcatcaatgc agaggtacct cggncgngac cacgc         | 355 |

<210> 837  
 <211> 611  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (611)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 837

|             |            |            |            |            |             |     |
|-------------|------------|------------|------------|------------|-------------|-----|
| ggtttttttt  | ttcgtgattg | tattcccata | aagctttatt | tgtggactct | aaaatttgaa  | 60  |
| ttttatgtga  | ttttcacata | tcacaaacat | tcttcttctt | tttaattttc | taaccattaa  | 120 |
| aattataaaa  | aactttctta | tttttgacag | ccatacaaaa | ttaggcagtg | ggccaaatct  | 180 |
| ggccgctagt  | ttagaaggct | cacggtagtc | tcgctcgag  | gcatggcagt | tgacagctggc | 240 |
| tggggcacc   | tggttctct  | ccacaaggcc | tttcactctc | cagaagtctg | aattggcctt  | 300 |
| gttcattggca | ctttcagggc | agcattccaa | gaggtggaag | ggagagtctg | caaagacttc  | 360 |
| tgaggctggc  | tccagacctc | actcagtatc | cccactgctc | catttcagtc | agagtnaagt  | 420 |
| cactagtnct  | gcccagactc | aagggatgaa | gggaactgnc | tntanctcat | gatgaagata  | 480 |
| acntgtgaaa  | tactgggggc | tgagtttttc | anttancc   | agggagtaat | tttcatggnt  | 540 |
| taaangcat   | tcccccttat | ttttgaagcc | ntaanttcng | gcntttanng | ggaantaatt  | 600 |
| aaccnccctt  | a          |            |            |            |             | 611 |

&lt;210&gt; 838

&lt;211&gt; 650

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(650)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 838

|             |             |             |            |            |            |     |
|-------------|-------------|-------------|------------|------------|------------|-----|
| ggtacttcca  | cctcgggcac  | attttgggaa  | gttgcatcc  | tttgtcttca | aactgtgaag | 60  |
| cattttacaga | aacgcaccca  | gcaagaatat  | tgtccctttg | agcagaaatt | tatctttcaa | 120 |
| agaggatat   | ttgaaaaaaa  | aaaaagtata  | tgtgaggatt | tttattgatt | ggggatcttg | 180 |
| gagtntttca  | ttgtcgtat   | tgatttttac  | ttcaatgggc | tcttccaaca | aggaagaagc | 240 |
| ttgctggtag  | cacttgctac  | cctgagttca  | tccaggccca | actgtgagca | aggagacaca | 300 |
| gccacaagtc  | ttccagagga  | tgcttgattc  | cagtgggtct | gcttcaaggc | tttactgca  | 360 |
| anacactaaa  | gatccaagaa  | ggccttcattg | gcccnccca  | ngcccggatc | gggtanctgg | 420 |
| ccgggcnngn  | cngtnnnaaa  | gggcnaaatt  | tcngcacact | tggccgnccg | ttactaagtn | 480 |
| ggantccnaa  | gcttggnntan | ccaagctttg  | gngnaattct | ngggcatann | nctgggtnc  | 540 |
| ttgnggnnaa  | aatgntantc  | ccgtnnnaaa  | ttcccttc   | cnnanctgan | cctgaaagct | 600 |
| ttaantgggn  | aaacnttggg  | ggtcccta    | tngggggacn | taacntctnt |            | 650 |

&lt;210&gt; 839

&lt;211&gt; 626

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(626)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 839

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| actaaacgag | caggtgaagg | aggctgaagg | atcgtctgct | gaatacaaga | aagaaattga | 60  |
| ggaactaaag | gaactgctac | ccgaaattag | agagaagata | gaagatgcaa | aggagtctca | 120 |
| gcgtagtggg | aatgtagctg | aactggctct | gaaagctact | ctggtggaga | gttctacttc | 180 |
| aggtttcact | cctggtggag | gaggctcttc | agtctccatg | attgccagta | gaaagccaac | 240 |

|             |            |            |            |             |            |     |
|-------------|------------|------------|------------|-------------|------------|-----|
| agacgggtgct | tcctcatcaa | attgtgtgac | tgatatttcc | caccttgtca  | gaaagaagcc | 300 |
| ttcacaatta  | tatctttaga | ggaaaccaga | ggaaganagt | ccncggaaaag | atgatgcaaa | 360 |
| gaaagccaaa  | caagagcncg | gaagtgaacg | gaaggcnttt | ggggatgcct  | gtccccaagt | 420 |
| ggaaaatgaa  | gtttcngaaa | acantggagg | aggangctga | naatcaggct  | gaaagccnng | 480 |
| ccnccaatgg  | aagggacat  | tgtanggctt | ggancttcng | gtngaaagcc  | nttgcttttt | 540 |
| aaaaangggg  | cccagncctt | tcttccangg | gaaaagggnt | tttgaatta   | aangnttttt | 600 |
| tnacnttttg  | ganggatect | tttggt     |            |             |            | 626 |

&lt;210&gt; 840

&lt;211&gt; 323

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 840

|             |            |            |             |             |            |     |
|-------------|------------|------------|-------------|-------------|------------|-----|
| ggtacagcag  | ccttctttgc | tggaggccct | tgaacttcct  | cctcctcctc  | gctgctgtcc | 60  |
| tcaactgtcac | tggatgaggc | cttcttctta | gcttttcttag | ccactgggtcc | atttgctgt  | 120 |
| aactttcgct  | ctgggacctt | ggcagacctg | ttgagccaga  | agctatagat  | gtctaagagg | 180 |
| gaagaggcat  | tggcatcctg | ctgtgtagct | cctgtcgctt  | tggcgaactt  | attggccacc | 240 |
| tctgagagtt  | ggttatcgcg | caggaagccg | agcacgaggg  | gatacaggtc  | gctgggaacc | 300 |
| acgcggcgaa  | tgccggcgct | cgc        |             |             |            | 323 |

&lt;210&gt; 841

&lt;211&gt; 614

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(614)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 841

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| acattgaaaa  | tgagggtaag | atgatcatgc | aggataaact | ggagaaggag | cggaatgatg | 60  |
| ctaagaacgc  | agtggaggaa | tatgtgtatg | aaatgagaga | caagcttagt | ggtgaatatg | 120 |
| agaagtttgt  | gagtgaagat | gatcgtaaca | gttttacttt | gaaactggaa | gatactgaaa | 180 |
| attggtttga  | tgaggatgga | gaagaccagc | caaagcaagt | ttatgttgat | aagttggctg | 240 |
| aattaaaaaa  | tctaggtcaa | cctattaaga | taccgtttcc | aggaatctga | agaacgacca | 300 |
| aaattatttg  | aagaactagg | ggaaacagat | ccaacagtat | atganaataa | tcagctcttt | 360 |
| caanaaaacaa | ggaggaccng | tattgatcat | ttggatgctg | ctgacatgac | caaggtagna | 420 |
| naaagcncaa  | atggaagcaa | tggaattgga | tgaataacca | agcttaattc | tgctgancaa | 480 |
| gcnatagttt  | gncattggnt | nnagttgtta | ngtccnaaga | gnattgaanc | ttaaanttna | 540 |
| gggctgccaa  | ngnctttggc | cggnacncnc | ntnagggcna | tttcagccnc | ttggcgcccg | 600 |
| ttctatggnn  | ncnn       |            |            |            |            | 614 |

&lt;210&gt; 842

&lt;211&gt; 609

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(609)

&lt;223&gt; n = A,T,C or G

```

<400> 842
ggtacacttg ctaaatttga atgggcangc agcaaactct gggaagactt ctaatgcttt      60
acgatacaag cgaactgcct cttcaatggt tccctgttct cgtttgatat tggettaggtt      120
attcagagag tctgcatggg tgggacacag acggagagct gtattataac aatcttctgc      180
ttcagcaacc tgtcaaaaaat gcgtgcctct ttcaagacat ttctaaaatt gatataagca      240
tccagaaaag ttgggtcaag ggtgacagcc ttttcaaagt gatgaattgc aagccaaatt      300
tccccttggt cattgaaaac acagccaaga ttactccaag ctactgcaaa gttcgggttg      360
gtctcaattg ctttcaaata acatgccttg gcttcttcca agcgacccaa ggcttttaca      420
ggtncaccag tcaactgcga cacagtacct gcccggcggc cgttcaaang gcgaaattca      480
gcacacttgc ggnccgtanta gtggantncn agcntcggnc caacttgggn ntataatggg      540
canaactggt ccttggggga aantggtnnc cnntaccatt tcnccacttn cgaccggaag      600
cttaaangg                                     609

```

```

<210> 843
<211> 610
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(610)
<223> n = A,T,C or G

```

```

<400> 843
gggttttttt cgcagggtatt tctctgtctt taatagacaa ttttagaaag acatgttaac      60
gggggaaaaat cacacaatac taaggatctg agggccataa acatcacata tgttgagttt      120
gcttttagtt ttgtttccaa cagttcttaa ccaatgttcc tggctgtaat ctagggtgcta      180
gacgcactgc aaatcctcga aagtgtttaa gatgaaagag caatacactt aagatcttca      240
aaagtttaca ttaacagaat aagcattagc tccttttaac acacacacac aactaaatta      300
acaaatgaaa tgtgtctact tttatatatg ccataaaagc agacacttaa cattgaaatt      360
tactatttta gatttttact cttttaagag ctatcaatat agacactnaa gataattcac      420
attnnaaaaa ttatctacct ggaagaatag aacttcttta agaaggaaaa agnaaaagct      480
ggtgaaacca aggattgcct ggggtnggaa ggaccgnttt naacctgggc cttaaatgnc      540
ntgagnacaa ttgattgggtc nnncttgggc tntnttggtg acaccggcct tcanggtttt      600
cttgaccnc                                     610

```

```

<210> 844
<211> 675
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(675)
<223> n = A,T,C or G

```

```

<400> 844
ggtacacctg aattccaggc caatgaagtt cggaaagtga agaaatatga acagggattc      60
atcacagacc ctgtggtcct cagccccaag gatcgctgct gggatgtttt tgaggccaag      120
gcccggcatg gtttctgcgg tatcccaatc acagacacag gccggatggg gagccgcttg      180
gtgggcatca tctcctccag ggacattgat tttctcaaag aggaggaaca tgactgtttc      240
tcggaagaga taatgacaaa gaggggaagac ttggtggtag cccctgcagg catcacactg      300

```

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| aaggaggcaa | atgaaattct | gcagcgagc  | aagaagggaa | agttgccc   | tgtaaatgaa | 360 |
| gatgatgagc | ttgtggccat | cattgccc   | acagacctga | agaagaatcg | ggactaccca | 420 |
| ctagccttcc | aaagatgccc | aagaaaccag | cttgcttg   | ttgggcaagc | cattgggcac | 480 |
| ttcattgaag | gattgaccaa | ggttttang  | ccttggaact | ttggtttggc | cccaaggctt | 540 |
| tgggtgttga | attgtaaatg | gggtttttg  | gactttttt  | nccangggg  | aaaatttccc | 600 |
| ttttttcnc  | nanttccaat | tttngatcc  | aaagtncct  | tggccccggg | gccgggcccc | 660 |
| tttcaaaaan | gggcc      |            |            |            |            | 675 |

<210> 845  
 <211> 620  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(620)  
 <223> n = A,T,C or G

|            |            |            |            |            |             |     |
|------------|------------|------------|------------|------------|-------------|-----|
| <400> 845  |            |            |            |            |             |     |
| acagcctaag | acacaaggat | ctaggcgaag | tagccgccaa | ataaaaaaac | gaaggggtcat | 60  |
| atcagattct | gagagtga   | ttggtggctc | tgatgtggaa | tttaagccag | acactaagga  | 120 |
| ggaaggaagc | agtgatgaaa | taagcagtg  | agtgggggat | agtgaagtg  | aaggcctgaa  | 180 |
| cagccctgcc | aaagtgtctc | gaaagcggaa | gagaatggtg | actggaaatg | gctctcttaa  | 240 |
| aaggaaaagc | tctaggaagg | aaacgccctc | agccaccaa  | caagcaacta | gcatttcac   | 300 |
| agaaaccaag | aatactttga | gagctttctc | tgcccccaa  | aattctgaat | cccaagccca  | 360 |
| cgttagtga  | ggtggtgatg | acagtatcg  | cctactgntt | ggtatcatga | aactttagaa  | 420 |
| tggcttaagg | gaggaaaaga | gaanaaatga | ncncaggang | aaggcctgat | caccccgatt  | 480 |
| ttgatgcctt | tnccctntnt | gggncctgga | ggatttcntc | aaatctttgg | anccttggcc  | 540 |
| nnnacccecn | ttangggcgn | aatccagccc | ttggnggncc | gttcttaggg | gatcncagct  | 600 |
| tgggnccaac | tttggggtan |            |            |            |             | 620 |

<210> 846  
 <211> 617  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(617)  
 <223> n = A,T,C or G

|             |            |            |             |            |             |     |
|-------------|------------|------------|-------------|------------|-------------|-----|
| <400> 846   |            |            |             |            |             |     |
| caggtaacata | aagcagattc | aagggttaaa | ataaaaaacag | aattttggag | tgtgggtcaaa | 60  |
| taagggtgcac | agattccaga | accctcagag | ggcctgctgg  | ccctctccag | acattctgtg  | 120 |
| tccgtgggtgc | aggagctggg | cccgcccta  | acagctccgc  | actggcttag | tgcaagtgtg  | 180 |
| ctcacagttt  | caggaactac | taggtgaagt | gtctggctca  | agtctgccaa | gtgtcttcac  | 240 |
| tccatcgta   | gaagtggagc | actatcccta | ggttcgattc  | ccatgaaata | ttttatgatt  | 300 |
| tccatcctct  | ttgcccgtc  | ttccaaataa | ggccctgtga  | tgccaacnaa | gggggcatgg  | 360 |
| ttgaggggtct | aaggctctca | ttagggccta | attctgtgtg  | gatatnaaca | catgacagac  | 420 |
| acttgctgca  | ncattnanga | catttaaggc | agaggggtca  | tttaangnta | cttttncaaa  | 480 |
| ttaatatttn  | gnngatnggg | cagttcttac | ctgnnactgg  | tnnttattgg | ggnaattttt  | 540 |
| taccangggg  | ctgtctattt | taaatngctt | nggnattacn  | ngtttngnac | cctcnaannn  | 600 |
| ctngggaaac  | ttntntnc   |            |             |            |             | 617 |

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 <223> n = A,T,C or G

<400> 847

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| ggtacaagct | tttttttttt | tttttttttt | tttttttagc | ctttccttat | gagcatgcct | 60  |
| gtgttgggtt | gacagtgagg | gtaataatga | cttggtgggt | gattgtagat | attgggctgt | 120 |
| taattgtcag | ttcagtgttt | taatctgacg | caggcttatg | cggaggagaa | tgttttcatg | 180 |
| ttacttatac | taacattagt | tcttctatag | ggtgatagat | tggtccaatt | gggtgtgagg | 240 |
| agttcagtta | tatgtttggg | attttttagg | tagtgggtgt | tgagcttgaa | cgctttctta | 300 |
| attgggtgct | gcttttaggc | ctactatggg | tgtaaattt  | tttactctct | ctacaagggt | 360 |
| ttttcctaan | tggccaaaag | agctggtcct | tctttgggac | taaccagtta | aattttacca | 420 |
| ngggggaatt | taanaggggt | tcttgggggc | caaattttaa | aggtcngaac | ttaagantct | 480 |
| tatcttgga  | caanccagnt | nttcaccagg | cnttggaag  | ggtttngtct | gcctttaccn | 540 |
| taaaaatctt | tcccnctant | tnctaccnn  | aaccgggggg | cncttttaaa | cgnnntttan | 600 |
| ggganccccc | ccnggtttng | gggggttnaa | ctttgcnn   |            |            | 638 |

<210> 848  
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 <212> DNA  
 <213> Homo sapiens

<400> 848

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| ggtttttttt | tttttcaaca | gacaaaaaaaa | gtttattgaa | tacaaaactc | aaaggcatca | 60  |
| acagtcctgg | gcccagaga  | tccatggcag  | gaagtcaaga | gttctgcttc | agggtcggtc | 120 |
| tgggcagccc | tggaagaagt | cattgcacat  | gacagtgatg | agtgccagga | aaacagcata | 180 |
| ctcctggaag | tccacctgct | ggtcactgtt  | ctcatccagg | ctgcccatac | gcttcttcag | 240 |
| cccctcctca | tccactttct | ccccacaaa   | gctgggcagc | tccttgtgca | gaagttcctt | 300 |
| catttcccc  | ttactcagct | tgaacttgtc  | gccctcttgg | caggagt    |            | 347 |

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<220>  
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 <223> n = A,T,C or G

<400> 849

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|------------|------------|------------|------------|------------|------------|-----|
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| ccctcccat  | ggtttagaag | ttgctttagt | gggtggagca | ggcttggctg | gcatgctaac | 120 |
| tttggtttc  | tctagcatgg | ccaatacctg | atctttagaa | gttggtttta | gtttccagc  | 180 |
| agccttgccc | attttttcat | atcctaaatg | catcatgaag | aatggcaagg | catcttgggc | 240 |
| cttctttcgc | acatctccat | ttcgatcttc | taggcaggag | tagagatgag | gaacacaaag | 300 |

|             |            |            |            |            |            |     |
|-------------|------------|------------|------------|------------|------------|-----|
| gataaggtct  | gtaggggtgg | aacgaagagt | aggtagtttc | tcaaccagcc | agcccagaag | 360 |
| ctcttgccctc | aagaaaggat | tttcttttga | gctcttcaga | aagaacttct | ccttcaacca | 420 |
| ttccttnatg  | cccantctgg | ttntggccaa | gcatttcaca | ggtcgctang | ggcaagcact | 480 |
| tcgaacattg  | gtcttgcttg | ctccaaggac | ttgggaatna | angggganc  | ctnaaatttt | 540 |
| ttancgggtg  | gcttaaaatt | tggggccnan | ggttattgcc | aaattgtttc | cagggatttn | 600 |
| aacggtttgg  | tggncctcgg | cccg       |            |            |            | 624 |

&lt;210&gt; 850

&lt;211&gt; 636

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(636)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 850

|            |             |            |            |            |            |     |
|------------|-------------|------------|------------|------------|------------|-----|
| acaagttatc | aaactttctgt | ttggtaacag | aatcattgac | gttcatggcc | ggaacacaga | 60  |
| gcttcccagc | tttggagagc  | tgatacagcc | tgtgaacacc | agtcacgctc | tcttccacaa | 120 |
| tgccctcgat | cttctttaa   | acgtttggat | acttcttata | aacccagtgg | gttaagtctc | 180 |
| ccccatcatc | caggatcatg  | ttggcctgcc | acccatccat | gttcacacag | cggtcaatac | 240 |
| accaccagaa | gtcatcttct  | gactcgccct | tccaagcgaa | cactgcaact | ccagcctcag | 300 |
| ccagtgtctc | agctacttca  | ttctgagttg | agtagatgtt | acaagcagac | cagcggcact | 360 |
| gagccccag  | agcacagagt  | gtctcaatca | acaccgctg  | tctgggctgt | gatgtgtgta | 420 |
| tcttnggccg | ngaacangct  | taagggcgaa | ttncacacaa | cttggcggcc | ggtacttagt | 480 |
| gggaatccan | cttngntacc  | caagcttggg | cgtaantcat | ngggcatang | cntgggtcct | 540 |
| nggggaaant | ggtatncggt  | tanaanttcc | accaaanttc | naancccgga | agnnttaaan | 600 |
| gntaaaanct | tngggggcct  | aantgagnng | anntac     |            |            | 636 |

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## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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|--|--|-----------|---|
| <b>(51) International Patent Classification <sup>6</sup> :</b><br><b>C07K 14/47, C12Q 1/68, C07K 16/18, C12N 9/00, 15/10</b>   |  | <b>A3</b> | <b>(11) International Publication Number:</b> <b>WO 99/64576</b>  |
|  |  |           | <b>(43) International Publication Date:</b> 16 December 1999 (16.12.99)   |
| <b>(21) International Application Number:</b> PCT/IB99/01062   |  |           | <b>ROLL, Eddie, III [US/US];</b> 24 Eddy Street, Waltham, MA 02154 (US). <b>CATINO, Theodore, J. [US/US];</b> 18 Jo Paul Drive, Attleboro, MA 02702 (US). <b>DERTI, Adnan [US/US];</b> 7 Wigglesworth Street, Boston, MA 02120 (US). <b>FORD, Donna, M. [US/US];</b> 8 Morningside Road, Plainville, MA 02762 (US). <b>LEWIS, Marcia, E. [US/US];</b> 67 Wheelwright Farm, Cohasset, MA 02025 (US). <b>MONAHAN, John, E. [US/US];</b> 942 West Street, Walpole, MA 02081 (US). <b>SCHLEGEL, Robert [US/US];</b> 211 Melrose Street, Auburndale, MA 02466 (US).  |
| <b>(22) International Filing Date:</b> 9 June 1999 (09.06.99)  |  |           |   |
| <b>(30) Priority Data:</b><br>60/088,801 10 June 1998 (10.06.98) US  |  |           |   |
| <b>(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application</b><br>US 60/088,801 (CON)<br>Filed on 10 June 1998 (10.06.98)  |  |           |   |
| <b>(71) Applicant (for all designated States except US):</b> BAYER CORPORATION [US/US]; 333 Coney Street, East Walpole, MA 02032 (US).   |  |           |   |
| <b>(72) Inventors; and</b>   |  |           | <b>(74) Agents:</b> ROESLER, Judith, A.; Bayer Corporation, 63 North Street, Medfield, MA 02052 (US) et al.   |
| <b>(75) Inventors/Applicants (for US only):</b> ENDEGE, Wilson, O. [KE/US]; 222 Normandy Drive, Norwood, MA 02062 (US). <b>STEINMANN, Kathleen, E. [US/US];</b> 115 Washington Street, Unit 3B, Winchester, MA 01890 (US). <b>ASTLE, Jon, H. [US/US];</b> 42 Short Street, Taunton, MA 02780 (US). <b>BURGESS, Christopher, C. [US/US];</b> 97 Canton Terrace, Westwood, MA 02090 (US). <b>BUSHNELL, Steven, E. [US/US];</b> 41 South Street, Medfield, MA 02052 (US). <b>CAR-</b> |  |           |   |
|  |  |           | <b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). |
|  |  |           | <b>Published</b><br>With international search report.   |
|  |  |           | <b>(88) Date of publication of the international search report:</b><br>13 April 2000 (13.04.00)   |
| <b>(54) Title:</b> HUMAN GENES DIFFERENTIALLY EXPRESSED IN COLON CANCER  |  |           |   |
| <b>(57) Abstract</b><br><p>This invention relates to novel human genes, to proteins expressed by the genes, and to variants of the proteins. The invention also relates to diagnostic assays and therapeutic agents related to the genes and proteins, including probes, antisense constructs, and antibodies. The subject nucleic acids have been found to be differentially regulated in tumor cells, particularly colon cancer cell lines and/or tissue.</p>                    |  |           |   |
| <b>Differential Expression Analysis</b>  |  |           |   |
| <b>SW480 Clone Number</b><br>2 3 4 5 6   |  |           |   |
| <b>Cancer Probe</b>  |  |           |   |
|  |  |           |   |
| <b>Normal Probe</b>  |  |           |   |
|  |  |           |   |



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| EE | Estonia                  |    |  |    |  |    |                          |

# INTERNATIONAL SEARCH REPORT

|  |  |  |  |
|--|--|--|--|
|  |  | International Application No<br>PCT/IB 99/01062    |  |
| <b>A. CLASSIFICATION OF SUBJECT MATTER</b><br>IPC 6 C07K14/47 C12Q1/68 C07K16/18 C12N9/00 C12N15/10  |  |  |  |
| According to International Patent Classification (IPC) or to both national classification and IPC  |  |  |  |
| <b>B. FIELDS SEARCHED</b><br>Minimum documentation searched (classification system followed by classification symbols)<br>IPC 6 C07K   |  |  |  |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  |  |  |  |
| Electronic data base consulted during the international search (name of data base and, where practical, search terms used)   |  |  |  |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>  |  |  |  |
| Category *   | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.                              |  |
| X  | HILLIER L. ET AL.: "Stratagene human cDNA clone 550176 3' end;"<br>EMBL SEQUENCE DATABASE,<br>30 October 1996 (1996-10-30), XP002119315<br>HEIDELBERG DE<br>Accession Nr.: AA101246<br>--- | 2,8,10   |  |
| X  | MARRA M. ET AL.: "Mouse cDNA clone 779685 5' end"<br>EMBL SEQUENCE DATABASE,<br>14 June 1997 (1997-06-14), XP002119316<br>HEIDELBERG DE<br>Accession Nr.: AA466948<br>---<br>-/--          | 2,8,10   |  |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.  |  |  |  |
| * Special categories of cited documents:<br>*A* document defining the general state of the art which is not considered to be of particular relevance<br>*E* earlier document but published on or after the international filing date<br>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)<br>*O* document referring to an oral disclosure, use, exhibition or other means<br>*P* document published prior to the international filing date but later than the priority date claimed<br>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention<br>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone<br>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.<br>*Z* document member of the same patent family |  |  |  |
| Date of the actual completion of the international search  |  | Date of mailing of the international search report |  |
| 20 October 1999  |  | 25 Jan 2000  |  |
| Name and mailing address of the ISA<br>European Patent Office, P.B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.<br>Fax: (+31-70) 340-3016   |  | Authorized officer<br><br>De Kok, A                |  |

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB 99/01062

| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT |  | Relevant to claim No. |
|--|--|-----------------------|
| Category *   | Citation of document, with indication, where appropriate, of the relevant passages   |                       |
| A  | SCHWEINFEST C W ET AL: "Subtraction hybridization cDNA libraries from colon carcinoma and hepatic cancer" GENE ANALYSIS TECHNIQUES, vol. 7, 1 January 1990 (1990-01-01), pages 64-70, XP002089887<br>ISSN: 0735-0651<br>page 64<br>---   | 1,18                  |
| A  | VIDER B ET AL: "Human colorectal carcinogenesis is associated with deregulation of homeobox gene expression" BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 232, no. 3, March 1997 (1997-03), pages 742-748, XP002104685<br>ISSN: 0006-291X<br>page 742<br>---  | 1                     |
| A  | JAU MIN WONG ET AL: "UBIQUITIN-RIBOSOMAL PROTEIN S27A GENE OVEREXPRESSES IN HUMAN COLORECTAL CARCINOMA IS AN EARLY GROWTH RESPONSE GENE" CANCER RESEARCH, vol. 53, no. 8, 15 April 1993 (1993-04-15), pages 1916-1920, XP002024627<br>ISSN: 0008-5472<br>page 1916<br>---  | 1                     |
| A  | VAN BELZEN N ET AL: "A novel gene which is up-regulated during colon epithelial cell differentiation and down-regulated in colorectal neoplasms" LABORATORY INVESTIGATION, vol. 77, no. 1, 1 July 1997 (1997-07-01), pages 85-92, XP002089891<br>ISSN: 0023-6837<br>page 85<br>---   | 1                     |
| A  | KONDOH N ET AL.: "Differential expression of S19 ribosomal protein, laminin-binding protein, and human lymphocyte antigen class-I messenger RNAs associated with colon-carcinoma progression and differentiation" CANCER RESEARCH., vol. 52, no. 4, 15 February 1992 (1992-02-15), pages 791-796, XP002119317<br>BALTIMORE, US<br>ISSN: 0008-5472<br>the whole document<br>---<br>-/-- | 1                     |

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 99/01062

| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT |   |                                     |
|--|---|-------------------------------------|
| Category *   | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.               |
| A  | WO 95 11923 A (DANA FARBER CANCER INST<br>INC) 4 May 1995 (1995-05-04)<br><br>page 1, line 29 -page 6, line 17<br>page 19, line 7 -page 29, line 11<br>---  | 1-6,9,<br>10,14,<br>17-25,<br>31-34 |
| A  | EP 0 284 362 A (ICI PLC)<br>28 September 1988 (1988-09-28)<br>the whole document<br>---   | 1-25,<br>27-34                      |
| P,X  | KUTAY U ET AL.: "A human homologue of<br>yeast Mtr10p and its role in nuclear<br>protein import"<br>EMBL SEQUENCE DATABASE,<br>10 May 1999 (1999-05-10), XP002119318<br>HEIDELBERG DE<br>Accession Nr.: AJ133769<br>abstract<br>----- | 1-6,8,10                            |

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 99/01062

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☒ Claims Nos.: 26  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-25, 27-34, all partially

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 26

Claim 26, relating to an agent which alters the expression in a cell of a nucleic acid, could not be searched as its subject-matter is not disclosed

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

## 1. Claims: 1-25, 27-34, all partially

## Invention 1:

An isolated nucleic acid, comprising a nucleotide sequence which hybridizes under stringent conditions to SEQ.ID. No.1 or a sequence complementary thereto; an isolated nucleic acid, comprising a nucleotide sequence at least 80% identical to at least 15 consecutive nucleotides of SEQ.ID. No.1 or a sequence complementary thereto; an isolated nucleic acid comprising nucleotide sequence of SEQ.ID. No.1 or a sequence complementary thereto; an expression vector comprising said nucleic acids; an host cell comprising said vector; a transgenic animal having a transgene comprising said nucleic acids; a nucleic acid hybridizing to a nucleic acid probe corresponding to at least 12 consecutive nucleotides of SEQ.ID.No.1; a probe/primer hybridizing to a nucleic acid probe corresponding to at least 12 consecutive nucleotides of SEQ.ID.No.1; an isolated polypeptide encoded by said nucleic acid; an antibody that specifically binds to said polypeptide; an antisense oligonucleotide which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.1; a test kit comprising said probe/primer; a testkit comprising said antibody; a method for determining the phenotype of a cell comprising detecting the differential expression of a nucleic acid which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.1 or a protein encoded by said nucleic acid; a method for determining the presence or absence of a nucleic acid which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.1; a method for detecting a mutation in a test nucleic acid which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.1; a method for identifying an agent which alters the level of expression in a cell of a nucleic acid which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.1; a pharmaceutical composition comprising a nucleic acid which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.1; a pharmaceutical composition comprising a polypeptide encoded by said nucleic acid; a method for detecting cancer using SEQ.ID.No.1 or an antibody to a protein encoded by said sequence, as a probe.

## 2. Claims: 1-25, 27-34, all partially

## Inventions 2 to 127 :

Idem as invention 1, wherein each invention relates to the nucleic acid encoded by SEQ.ID.No. 2 to 127 in stead of SEQ.ID.No.1.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

## 3. Claims: 15-21, 24-26, 28-34, all partially

## Invention 128:

An isolated nucleic acid, comprising a portion of a nucleotide sequence of SEQ.ID No.128 or a sequence complementary thereto; a gene which hybridizes to SEQ.ID. No.128; an isolated polypeptide encoded by said nucleic acid; an antibody that specifically binds to said polypeptide; an antisense oligonucleotide which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.128; a method for determining the phenotype of a cell comprising detecting the differential expression of a nucleic acid which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.128 or a protein encoded by said nucleic acid; a method for detecting a mutation in a test nucleic acid which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.128; a method for identifying an agent which alters the level of expression in a cell of a nucleic acid which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.128; a pharmaceutical composition comprising a nucleic acid which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.128; a pharmaceutical composition comprising a polypeptide encoded by said nucleic acid; a method for detecting cancer using SEQ.ID.No.128 or an antibody to a protein encoded by said sequence, as a probe.

## 4. Claims: 15-21, 24-26, 28-34, all partially

## Inventions 129 to 383:

Idem as invention 128, wherein each invention relates to the nucleic acid encoded by SEQ.ID.No. 129 to 383 in stead of SEQ.ID.No.128.

## 5. Claims: 15-21, 25,26,28,31-34, all partially

## Invention 384:

A nucleic acid hybridizing to a nucleic acid probe corresponding to at least 12 consecutive nucleic acids of SEQ.ID. No.384; an isolated polypeptide encoded by said nucleic acid; a probe/primer hybridizing to a nucleic acid probe corresponding to at least 12 consecutive nucleic acids of SEQ.ID. No.384; an antibody that specifically binds to said polypeptide; an antisense oligonucleotide which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.384; a method for



**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

determining the phenotype of a cell comprising detecting the differential expression of a nucleic acid which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.384 or a protein encoded by said nucleic acid; a method for identifying an agent which alters the level of expression in a cell of a nucleic acid which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.384; a pharmaceutical composition comprising a nucleic acid which hybridizes under stringent conditions to at least 12 consecutive nucleic acids of SEQ.ID. No.384; a pharmaceutical composition comprising a polypeptide encoded by said nucleic acid; a method for detecting cancer using SEQ.ID.No.384 or an antibody to a protein encoded by said sequence, as a probe.

6. Claims: 15-21, 25,26,28,31-34, all partially

Inventions 385 to 850:

Idem as invention 384, wherein each invention relates to the nucleic acid encoded by SEQ.ID.No. 385 to 850 in stead of SEQ.ID.No.384.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. l. Application No

PCT/IB 99/01062

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